# SIKES'S HYDRONETER TABLES.

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LOFTUS, LONDON.



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## TABLES

OF THE

#### CONCENTRATED STRENGTH

OF

## Spirits

BY

# SIKES'S HYDROMETER,

AS USED BY THE OFFICERS

OF THE

EXCISE BRANCH OF THE INLAND REVENUE.

T. PETTITT & CO.,
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#### TABLES

OF THE

#### CONCENTRATED STRENGTH OF SPIRITS

 $\mathbf{B}\mathbf{Y}$ 

## SIKES'S HYDROMETER,

AS USED BY THE OFFICERS OF THE EXCISE BRANCH OF
THE INLAND REVENUE.



#### DIRECTIONS

FOR THE USE OF

## The Tables

IN

ASCERTAINING THE CONCENTRATED STRENGTH
OF SPIRITS

BΥ

#### SIKES'S HYDROMETER.

Having poured a sample of the spirits intended to be tried into the trial-glass, you must ascertain the temperature of the fluid by immersing the thermometer therein; stir the sample, and wait till the quicksilver remains stationary, and the degree shown on the thermometer scale is the temperature of the spirits.

The various degrees of temperature are indicated at the top of each page, commencing with 30° and ending with 80° of Fahrenheit's thermometer.

Then open the book at the temperature indicated, and apply a weight to the stem of the hydrometer below the ball

and immerse it in the spirits, pressing it down to 0 on the stem; if the right weight has been selected it will float to some division on the upper stem, the sum of which, added to that of the weight attached, is called the indication, and opposite thereto in the Table will be found the true strength of the spirit. For example: If the hydrometer with the weight 20 sinks to 28 (the temperature being 40°), the strength opposite is 45.7 per cent. over proof. If at temperature 51° you apply the weight 40, and it floats to three divisions on the stem, opposite 43 will be found 25.1 O. P., the true strength of the spirit.

## The Use of the Comparative Rule

WITH

#### SIKES'S HYDROMETER.

FOR

SHOWING THE COMPARATIVE VALUE, TAKING STOCKS, AND REDUCING SPIRITS FROM ONE STRENGTH TO ANOTHER.

This Rule shows on the side A B, the comparative value of spirits; and on the side C C C, the quantity of water requisite for reducing from one strength to another. Upon the middle or sliding part the different strengths, from 70 per cent. under proof to 70 per cent. over proof, are laid down; and upon the side which shows the comparative value, the line A denotes shillings, from six to thirty shillings per gallon, and the line B from one shilling and sixpence to eight shillings per gallon. The left of proof on this Rule is under proof, and the right is over proof.

#### EXAMPLES.

Suppose a spirit 20 per cent. over proof worth eighteen shillings per gallon: place the slide so that 20 per cent. over proof shall be facing eighteen shillings upon the line A, then opposite every other strength will be found the value in proportion thereto; proof will be worth fifteen shillings per gallon; 10 per cent under proof, thirteen and sixpence per gallon. Again, suppose 10 per cent. over proof worth twelve shillings and sixpence per gallon, place the slide so that 10 per cent. over proof shall be facing twelve shillings and sixpence upon the line A, then the comparative value of proof will be eleven shillings and fourpence halfpenny per gallon; 10 per cent. under proof, ten shillings and twopence three farthings; 20 per cent. under proof, nine shillings and one penny per gallon. On the line B, if proof spirit cost five shillings per gallon, then 20 per cent. under proof will be worth four shillings per gallon, &c., &c.

On the other side, the lines C C, divided upon the upper part from 300 to 60, and below from 100 to 20, denote gallons, to facilitate the reducing of spirits. As an example, if 130 gallons of spirits, 40 per cent. over proof, are required to be reduced to proof, place the slide so that 40 per cent. over proof shall be opposite to 130, upon the upper line C, then facing proof upon the same line will be found 182, the number of gallons it is to be made up to. If 100 gallons of spirits, 20 per cent. over proof, are to be reduced to 20 per cent. under proof, fix the Rule so that 20 per cent. over proof shall be opposite 100, then facing 20 per cent. under proof will be found 150, the quantity required. Again, if the cask of 120 gallons is to be filled with a spirit 35 per cent. under proof, place 30 per cent. under proof opposite 120, then the number of gallons of any superior strength

requisite to be put into cask is immediately shown by inspection. If the spirits are 10 per cent. under proof, facing 10 per cent. under will be found 93 gallons and one-third, the quantity required; if the spirits are proof, opposite proof will be found 84 gallons, the quantity requisite; if 20 per cent. over proof, 70 will be the quantity of spirits, &c. &c., the remainder to be made up with water.

By this side of the Rule stocks may be taken and charges estimated, by placing the strength opposite the quantity; then opposite the strength the stock is to be taken at will be found the exact quantity of such spirit.

Suppose in 300 gallons of spirit, 50 per cent. under proof, how many gallons of 28 under proof? Place 50 on the slide to 300 on the upper line, then opposite to 28 per cent. under proof will be found 208, the number of gallons contained in 300 at that strength, &c.: for lesser quantities than 20 gallons—100 can count for 10, 180 for 18, 90 for 9, &c., to any smaller quantity required.

The hydrometer is fitted up either with ivory or boxwood Rules, or without Rules, at the option of the purchaser.

In the event of sending the hydrometer from the country to be repaired or re-adjusted, it is advisable not to send the thermometer (unless it is broken), as that part of the instrument is not required, and is the only one likely to get injured in the carriage.

## TABLES

OF THE

CONCENTRATED STRENGTH OF SPIRITS

 $\mathbf{B}\mathbf{Y}$ 

SIKES'S HYDROMETER.

## TEMPERATURE 30°.

1		16							
3374	D	3374 . 0	70	777. 0	_				
Wts. &		Wts. &		Wts. &		Wts. &		Wts. &	Per
Divs.		Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
on	over	on	over	on	over	on	over	on	over
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
	-								
О.		10.	65.4	20.	56.3	30.	46.2	40.	34.9
.2	-	.2	65.2	.2	56.1	.2	46.0		34.7
.4	_	.4	65.0	.4	55.9		45.8	.2	
.6		.6	64.9	.6	55.8	.6		.4	34.4
.8	_	.8	64.7	.8			45.6	.6	34.2
					55.6	.8	45.4	.8	33.9
I.		II.	64.5	21.	55.4	31.	45.2	41.	33.7
.2	-	.2	64.3	.2	55.2	.2	45.0	.2	33.5
.4	_	.4	64.1	.4	55.0	•4	44.8	.4	33.2
.6		.6	64.0	.6	54.8	.6	44.5	.6	33.0
.8		.8	63.8	.8	54.6	.8	44.3	.8	32.7
2.		12.	63.6	22.	54.4	32.	44.1	42.	32.5
.2		.2	63.4	.2	54.2	.2	43.9	.2	32.3
.4	_	.4	63.2	.4	54.0	•4	43.7	.4	32.0
.6		.6	63.1	.6	53.8	.6	43.4	.6	31.8
.8		.8	62.9	.8	53.6	.8	43.2	.8	31.5
3.		13.	62.7	23.	53.4	33.	43.0		31.3
.2	_	.2	62.5	.2	53.2	.2	42.8	43.	31.0
.4		.4	62.3	•4	53.0				
.6	_	.6	62.2	.6	52.8	•4	42.6	•4	30.8
.8	_	.8				.6	42.3	.6	30.5
			62.0	.8	52.6	.8	42.1	.8	30.3
4.	-	14.	61.8	24.	52.4	34.	41.9	44.	30.0
,2	-	.2	61.6	.2	52,2	.2	41.7	.2	29.8
.4		.4	61.4	.4	52.0	•4	41.5	.4	29.5
.6	70.0	.6	61.3	.6	51.8	.6	41.2	.6	29.3
.8	69.8	.8	61.1	.8	51.6	.8	41.0	.8	29.0
5.	69.6	15.	60.9	25.	51.4	35.	40.8	45.	28.8
.2	69.4	,2	60.7	.2	51.2	.2	40.6	.2	28.5
.4	69.3	.4	60.5	.4	51.0	-4	40.3	.4	28.3
.6	69.1	.6	60.4	.6	50,8	.6	40.1	.6	28.0
.8	69.0	.8	60.2	.8	50.6	.8	39.8	.8	27.8
6.	68.8	16.	60.0	26.	50.4	36.	39.7	46.	27.5
.2	68.6	.2	59.8	.2	50.2	.2	39.4	.2	27.2
	68.4	.4	59.6	.4	50.0				26.0
.4	68.3		59.0 59.5		49.8	•4	39.1	•4	26.9 26.7
.6	00.3	.6		.6		.6	34.9	.6	20.7
.8	68.1	.8	59.3	.8	49.6	.8	38.6	.8	26.4
7.	67.9	17.	59.1	27.	49.4	37-	38.4	47.	26.1
.2	67.7	,2	58.9	.2	49.2	.2	38.2	.2	25.8
-4	67.6	-4	58.7	.4	49.0	•4	37.9	•4	25.6
.6	67.4	.6	58.6	.6	48.7	.6	37.7	.6	25.3
.8	67.3	.8	58.4	.8	48.5	.8	37.4	.8	25.1
8.	67.1	18.	58.2	28.	48.3	38.	37.2	48.	24.8
.2	66.9	.2	58.0	.2	48.1	.2	37.0	.2	24.5
.4	66.7	.4	57.8	.4	47.9	.4	36.8	-4	24.3
.6	66.6	.6	57.7	.6	47.7	.6	36.5	.6	24.0
.8	66.4	.8	57.5	.8	47.5	.8	36.3	.8	23.8
9.	66.2	19.	57.3	29.	47.3	39.	36.1	49.	23.5
.2	66.0	.2	57.1	.2	47.1	.2	35.9	.2	23.2
1	65.9		56.9		46.9		35.6		23.0
-4		•4		.4		.4		.4	22.7
.6	65.7	.6	56.7	.6	46.6	.6	35.4		22.5
.8	65.6	.8	56.5	.8	46.4	.8	35.1	.8	
10,	65.4	20.	56.3	30	46.2	40.	34.9	50.	22.2
	Ä		H						

### TEMPERATURE 30°.

f	-		11		ď		i -			
ı	Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per
ı	Divs.	Cent.	Divs.	Cent.	Divs.		Divs.	Cent.		Cent.
ł	on	over	on	over	on	under		under		under
1	Stem.	Proof.	1	Proof.		Proof.				Proof.
ı									-	
и	50.	22.2	60.	8.0	70.	8.3	80.	29.2	90.	66.8
ı	.2	21.9	.2	7.7	.2	8.7	.2	29.7	.2	67.7
ı	-4	21.7	•4	7.4	•4	9.0	.4	30.2	.4	68.6
ı	.6	21.4	.6	7.1	.6	9.4	.6	30.7	.6	69.4
H	.8	21.2 20.9	61.	6.8 6.5	.8	9.7	.8 81.	31.2	8.	70.3
Ш	51.	20.6	.2	6.2	71.	1	.2	32.3	91.	71.2 72.1
П	.4	20.3	•4	5.9	.4	10.8	.4	32.8	.2	72.9
H	.6	20.1	.6	5.6	.6	11.2	.6	33,4	.6	73.8
И	.8	19.8	.8	5.3	.8	11.5	.8	33.9	.8	74.6
	52.	19.5	62.	5.0	72.	11.9	82.	34.5	92.	75.5
	,2	19.2	.2	4.7	.2	12.3	.2	35.1	.2	76.3
	.4	18.9	.4	4.4	•4	12.7	.4	35.7	.4	77.1
	.6	18.7	.6	4.0	.6	13.0	.6	36 3	.6	77.8
	.8	18.4	.8	3.7	.8	13.4	8.	36.9	.8	78.6
	53.	18.1 17.8	63.	3.4	73.	13.8	83.	37.5	93.	79.4
П	.2	17.5	.2	3.1 2.8	•2	$\begin{array}{c c} 14.2 \\ 14.6 \end{array}$	.2	38.1	.2	80.1
П	.6	17.3	.6	2.5	•4	15.0	.6	$38.7 \\ 39.4$	.4	80.8
П	.8	17.0	.8	2.2	.8	15.4	.8	40.0	.6 .8	\$1.5 82.2
П	54.	16.7	6.4.	1.9	74.	15.8	84.	40.6	94.	82.9
Ų	.2	16.4	.2	1.6	.2	16.2	.2	41.3	.2	83.6
П	.4	16.1	•4	1.3	•4	16.6	.4	42.0	.4	84.3
П	.6	15.9	.6	.9	.6	17.0	.6	42,8	.6	84.9
П	.8	15.6	.8	.6	.8	17.4	.8	43.5	.8	85.6
Ш	55.	15.3	65.	.3	75.	17.8	85.	44.2	95.	86.3
П	.2	15.0	.2		.2	18.2	.2	44.9	.2	86.9
Н	.6	14.7	.6	.4	•4	18.6 19.1	•4	45.7	.4	87.5
П	.8	14.2	.8	1.1	.6	19.5	.6	46.4	.6	88.2
	56.	13.9	66.	1.4	76.	19.9	86.	47.9	96.	88.8 89.4
П	.2	13.6	.2	1.7	.2	20.3	.2	48.8	.2	90.0
	.4	13.3	.4	2.1	.4	20.7	.4	49.6	.4	90.6
	.6	13.1	.6	2.4	.6	21.2	.6	50.5	,6	91.1
	.8	12.8	.8	2.8	.8	21.6	.8	51.3	.8	91.7
	57-	12.5	67.	3.1	77-	22.0	87.	52. 3	97.	92.3
	.2	12.2	.2	3.4	.2	22.5	.2	53.2	.2	92.8
	.6	11.9	.6	3.8	•4	22.9	.4	54.1	.4	93.4
		11.3	.8	4.1	.6	23.4	.6	55.1	.6	93.9
1	58.	11.0	68.	4.8	78.	24.3	.8	56.0	.8	94.5
	.2	10.7	.2	5.2	.2	24.8	.2	57.0 58.0	98.	95.0
	.4	10.4	.4	5.5	.4	25.3	.4	59.0	.2	95.5 96.0
	.6	10.1	.6	5.9	.6	25.7	.6	59.9	.6	96,6
	.8	9.8	.8	6.2	.8	26.2	.8	60.9	.8	97.1
	59-	9.5	69.	6.6	79.	26.7	89.	61.9		97.6
	.2	9.2	.2	6.9	.2	27.2	.2	62.9	.2	98.1
	.6	8.9	•4	7.3	•4	27.7	.4	63.9		98.6
	.8	8.3	.6	7.6	.6	28.2	.6	64.8		99.0
	60.	8.0	70.	8.0	80.	28.7 29.2	.8	65.8		99.5
	1	1		0.0	30.	20.2	90,	66.8	100.	
									-	

## TEMPERATURE 31°.

Wts.	L TO	7771	1 -	11	1		!	H	1
W ts. c		Wts. &		Wts. &	Per	Wts. &	Per	Wts. 8	Per
Divs.	- 1	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	
on	over	on	over	on	over	on	over	on	
Stem.	. Proof.	Stem.	Proof.	Stem.			Proof.	Stem.	Over
	-	J				Docan.	1 1001.	Stem.	Proof.
0.		10.	65.1	20.	56.0	30.	46.0	40	24.0
.2		,2	64.9	.2	55.8	.2	45.8	40.	34.6
.4	-	.4	64.8	•4	55.6		45.6	.2	34.4
6.		.6	64.6	.6	55.5	1 .4		•4	34.2
.8		.8	64.5	.8	55.3	.6	45.3	.6	33.9
1.		11.	64.3		55.1		45.1	.8	33.7
.2		2	64.1	21.	54.9	31.	44.9	41.	33.5
.4	_	.4	63.9	.2	54.7	.2	44.7	.2	33.2
.6		. 6	63.8	•4		1 .4	44.5	•4	33.0
.8	1	.8		.6	54.5	.6	44.2	.6	32.7
2.		1	63.6	.8	54.3	.8	44.0	.8	32.5
		12.	63.4	22.	54.1	32.	43.8	42.	32.2
.2		.2	63.2	.2	53.9	.2	43.6	.2	32.0
•4		•4	63.0	•4	53.7	.4	43.4	.4	31.7
.6	-	.6	62.9	.6	53.5	.6	43.1	.6	31.5
.8	-	.8	62.7	.8	53.3	.8	42.9	.8	31.2
3.	-	13.	62.4	23.	53.1	33.	42.7	43.	31.0
.2		.2	62.3	.2	52.9	.2	42.5	.2	30.7
-4	_	.4	62.1	•4	52.7	.4	42.3	.4	30.5
.6	_	.6	62.0	.6	52.6	.6	42.0	.6	30.2
.8	-	.8	61.8	.8	52.4	.8	41.8	.8	30.0
4.		14.	61.6	24.	52.2	34.	41.6	44.	29.7
,2		.2	61.4	.2	52.0	.2	41.4	.2	29.5
.4	69.9	.4	61.2	•4	51.8	.4	41.2	.4	29.2
,6	69.8	.6	61.1	.6	51.6	6	40.9	.6	29.0
.8	69.6	.8	60.9	.8	51.4	8	40.7	.8	28.7
5-	69.4	15.	60.7	25.	51.2	35.	40.5	45.	28.5
.2	69.2	.2	60.5	.2	51.0	23.	40.3	43.	28.2
.4	69.0	.4	60.3	•4	50.8	.4	40.1		28.0
.6	68.9	. 6	60.2	.6	50.5	.6	39.8	.6	
.8	68.7	.8	60.0	.8	50.3	.8	39.6	.8	27.7
6.	68.5	16.	59.8	26.	50.1	36.	39.4	_	27.5
.2	68.3	2	59.6		49.9			46.	27.2
	68.2		59.4	.2		.2	39.1	.2	26.9
.6	68.0	.4	59.3	•4	49.7 49.5	.4	38.9	•4	26.7
.8	67.9	.8	59.1	.6	49.3	.6	38.6	.6	26.4
	67.7		58.9	.8		.8	38.4	.8	26.2
7.		17.		27.	49.1	37.	38.1	47.	25.9
,2	67.5	.2	58.7	.2	48.9	.2	37.9	.2	25.6
.4	67.3	.4	58.5	•4	48.7	.4	37.7	•4	25.4
.6	67.2	.6	58.4	.6	48.5	.6	37.4	.6	25.1
.8	67.0	.8	58.2	.8	48.3	8	37.2	.8	24.9
8.	66.8	18.	58.0	28.	48.1	30.	37.0	48.	24.6
.2	66.6	.2	57.8	.2	47.9	.2	36.8	.2	24.3
•4	66.5	.4	57.6	•4	47.7	.4	36.6	.4	24.0
.6	66.3	.6	57.4	.6	47.4	.6	36.3	.6	23.8
.8	66.2	.8	57.2	.8	47.2	.8	36.1	.8	23.5
9.	66.0	19.	57.0	29.	47.0	39.	35.9 🖔	49.	23.2
.2	65.8		56.8	.2	46.8	.2	35.6	.2	22.9
•4	65.6		56.6	-4	46.6	.4	35.4	.4	22.7
.6	65.5		56.4	.6	46.4	.6	35.1	.6	22.4
.8	65.3	.8	56.2	.8	46.2	.8	34.9	.8	22.2
10.	65.1	20.	56.0	30.	46.0	40.	34.6	50.	21.9
	H		- 1						
							_		

#### TEMPERATURE 31°.

1										
ı	Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per
ı	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
ı	on	over	on	over	on	under	on	under	on	under
ı	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof
ı						0.0		00.5		20.0
ı	50.	21.9	60.	7.7	70.	8.6	So.	29.5	90.	66.9
I	.2	21.6 21.3	.2	7.4	.2	9.0 9.3	.2	$30.0 \\ 30.5$	.2	67.8 68.7
ı	.6	21.1	.6	6.8	.6	9.7	.6	31.1	.6	69.5
I	.8	20.8	.s	6.5	.s	10.0	.s	31.6	.8	70.4
ł	51.	20.5	61.	6.2	71.	10.4	8r.	32.1	91.	71.3
H	.2	20,2	.2	5.9	.2	10.8	,2	32.6	.2	72.2
П	•4	20.0	•4	5.6	•4	11.2	.4	33.2	.4	73.0
H	.6	$\begin{array}{c c} 19.7 \\ 19.5 \end{array}$	.6	5.3 5.0	.6 .8	$\begin{array}{c} 11.5 \\ 11.9 \end{array}$	.6	33.7 34.3	.6	73.9 74.7
ı	52.	19.3	62.	4.7	72.	12.3	.8 82.	34.8	92.	75.6
	.2	18.9	.2	4.4	.2	12.7	.2	35.4	.2	76.4
	.4	18.6	•4	4.1	.4	13.1	.4	36.0	•4	77.1
	.6	18.4	.6	3.8	.6	13.4	.6	36.6	.6	77.9
	.8	18.1	.8	3.5	.8	13.8	.8	37.2	.8	78.6
	53-	17.9	63.	3.2	73.	14.2	83.	37.8	93.	79 4
I	.2	17.5 17.2	.2	$\begin{bmatrix} 2.9 \\ 2.6 \end{bmatrix}$	.2	$\begin{array}{c c} 14.6 \\ 15.0 \end{array}$	.2	38.4 39.0	.2	\$0.1 \$0.8
Ш	.6	17.0	.6	2.0	.6	15.3	.6	39.7	·4 .6	81.6
Н	.8	16.7	.8	1.9	.s	15.7	.8	40.3	Š	82.3
Ш	54-	16.4	64.	1.6	74.	16.1	84.	40.9	94.	83.0
I	.2	16.1	.2	1.3	.2	16.5	.2	41.6	.2	83.7
ı	•4	15.8	•4	.9	.4	16.9	.4	42.3	•4	84.3
П	.6	15.6 15.3	.6 .8	.6	.6 .8	17.4	.6	43.1	.6	85.0
ı		15.0	65.	$\frac{.2}{\cdot 1}$		17.8 18.2	.8	43.8	.8	85.6
l	55.	14.7	.2	•4	75. .2	18.6	85.	45,2	95.	86.3 86.9
H	.4	14.4	.4	.7	.4	19.0	.4	46.0	.4	87.5
Ш	.6	14.2	.6	1.1	.6	19.5	.6	46.7	.6	88.2
I	.8	13.9	.8	1.4	.S	19.9	.8	47.5	.8	88.8
I	56.	13.6 13.3	66.	1.7	76.	20.3	86.	48.2	96.	89.4
II	.2	13.3	.2	2.0	.2	20.7	.2	49.1	.2	90.0
	.6	12.7	.4	2.4	.6	$\frac{21.1}{21.6}$	.4	49.9 50.8	.6	90.6
	.8	12.4	.s	3.1	.8	22.0	.8	51.6	.8	91.7
	57.	12.1	67.	3.4	77.	22.4	87.	52.5	97.	92.3
	.2	11.8	.2	3.7	.2	22.9	.2	53.5	.2	92.8
	.4	11.5	•4	4.1	•4	23.3	-4	54.4	.4	93.4
	.6	11.3 11.0	.6	4.4	.6	23.8	.6	55.4	.6	93.9
	58.	10.7	68.	4.8 5.1	.S 78.	24.2 24.7	.8 88.	56.3 $57.3$	98.	94.5
	.2	10.4	.2	5.5	.2	25.2	.2	58.3	.2	95.0 95.5
	.4	10.1	.4	5.8	-4	25.6	.4	59.3	.4	96.0
	.6	9.8	.6	6.2	.6	26.1	.6	60.2	.6	96.6
	.8	9.5	.8	6.5	.8	26.5	.8	61.2	.8	97.1
	59.	$\begin{array}{c c} 9.2 \\ 8.9 \end{array}$	69.	$\begin{array}{c c} 6.9 \\ 7.2 \end{array}$	79.	27.0	89.	62.2	99.	97.6
	.4	8.6	.4	7.6	.2	27.5 28.0	.2	63.1 64.1	.2	98.1 98.6
	.6	8.3	.6	7.9	.6	28.5	.6	65.0	.6	99.0
	.8	8.0	.8	8.3	.8	29.0	.8	66.0	.8	99.5
	60.	7.7	70.	8.6	So.	29.5	90.	66.9	100.	-
L	- 1	П			1	- 1		3)	1	

#### TEMPERATURE 32°.

1					_		- 1	TTP	_
Wts. &	Per	Wts. &	Per	Wts. &		Wts. &	Per	Wts. &	Per
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
on	over	on	over	on	over	on	over	on	over
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
Decin.	1 1001.		1 1001						
		10.	64.9	20.	55.8	30.	45.7	40.	34.4
0.		1		)	55.6		45.5		34.2
.2		.2	64.7	.2		.2	45.3	.2	33.9
.4		•4	64.5	.4	55.4	1 .4		•4	
.6		.6	64.4	.6	55.2	.6	45.0	.6	33.7
.8		.8	64.2	.8	55.0	.8	44.8	.8	33.4
I.		II.	64.0	21.	54.8	31.	44.6	41.	33.2
.2		.2	63.8	.2	54.6	.2	44.4	.2	32.9
		.4	63.6	.4	54.4	.4	44.2	.4	32.7
•4		.6	63.5	.6	54.3	.6	43.9	.6	32.4
.6		.8		.8	54.1	.8	43.7	.8	32.2
.8			63.3			1		I E	31.9
2.		I 2.	63.1	22.	53.9	32.	43.5	42.	
.2		.2	62.9	.2	53.7	.2	43.3	.2	31.7
.4		.4	62.7	.4	53.5	-4	43.1	-4	31.4
.6		.6	62.6	.6	53.3	.6	42.8	.6	31.2
.8		.8	62.4	.8	53.1	.8	42.6	.8	30.9
	=		62.2		52.9	33.	42.4	43.	30.7
3.		13.		23.	52.7		42.2	.2	30.4
.2		.2	62.0	.2	70.5	.2	42.0	1)	30.2
-4		.4	61.9	.4	52.5	•4		4	
.6		.6	61.7	.6	52.3	.6	41.7	.6	29.9
.8		8	61.6	.8	52.1	.8	41.5	.8	29.7
1 1	70.0	14.	61.4	24.	5! 9	34	41.3	44.	29.4
4.	69.8	.2	61.2	,2	51.7	.2	41.1	.2	29.2
.2		.4	61.0	.4	51.5	•4	40.9	.4	28.9
•4	69.6				51.4	.6	40.6	.6	28.7
.6	69.5	.6	60.9	.6	51.2	.8	40.4	.8	28.4
.8	69.3	.8	60.7	.8		1 #		11	28.2
5.	69.1	15.	60.5	25.	51.0	35.	40.2	45.	20.2
.2	68.9	2	60.3	.2	50.8	.2	40.0	.2	27.9
.4	68.8	1 .4	60.1	.4	50.6	.4	39.8	•4	27.7
.6	68.6	6	60.0	.6	50.3	.6	39.5	.6	27.4
	68.5	8	59.8	.8	50.1	.8	39.3	.8	27.2
.8		11	59.6	26.	49.9	36.	39.1	46.	26.9
6.	68.3	16.	50.0		49.7	30.	38.9	.2	26.6
.2	68.1	.2	59.4	.2	40.7	08	38.6	.4	26.4
.4	67.9	.4	59.2	.4	49.5	1 .4			26.1
.6	67.8	6	59.0	.6	49.3	.6	38.4	1 .6	
.8	67.6	.8	58.8	.8	49.1	.8	38.1	.8	25.9
1	67.4	17.	58.6	27.	48.9	37.	37.9	47.	25.6
7.	67.2	2	58.4	.2	48.7	.2	37.7	.2	25.3
.2		4	58.2	1 .4	48 5	.4	37.4	.4	25.1
.4	67.1	.4	50.2	1 .4	48.2	.6	37.2	.6	24.8
.6	66.9	.6	58.1	.6		.8	36.9	.8	24.6
.8	66.8	.8	57.9	.8	48.0			11 0	24.3
8.	66.6	18.	57.7	28.	47.8	38.	36.7	48.	
.2	66.4	.2	57.5	.2	47.6	.2	36.5	.2	24.0
	66.3	1 4	57.3	.4	47.4	.4	36.3	.4	23.8
•4	66.1	.6	57.2	.6	47.1	.6	36.0	.6	23.5
.6	66.0	.8	57.0	.s	46.9	.8	35.8	.8	23.3
.8		31		- 11	46.7	39.	35.6	49.	23.0
9.	65.8	19.	56.8	29.	46.5		35.4	.2	22.7
.2	65.6	.2	56.6	.2		.2	35.8	.4	22.4
.4	65.4	.4	56.4	.4	46.3	•4		.6	22.2
.6	65.3	.6	56.2	.6	46.1	.6	34.9		21.9
.8	65.1	.8	56.0	1 .8	45.9	.8	34.6	.8	
	64.9	20.	55.8	30.	45.7	40.	34.4	50.	21.6
10.	01.0	1		1		7).	1	11	
		-							

## TEMPERATURE 32°.

	Per
Stem.   Proof.   Stem	
Stem.         Proof.         Stem.         Go.         4         6         6         6         6         10.1         6         31.4         30.4         4         11.2         11.2         <	ent.
Seeling   1765	nder
Section   Sect	roof.
Section   Sect	27 3
-2         21 3         -2         7.1         -2         9.4         -2         30.4         30.9         -4         6         6.20.8         -6         6.5         6         10.1         -6         31.4         -6         6         6         20.5         -8         6.2         -8         10.4         -8         31.9         -8         7         6         6         10.1         -8         11.9         -6         31.4         -6         6         6         9.1         -8         31.9         -8         7         91.         -7         -1         -8         31.9         -8         7         91.         -7         -1         -8         31.9         -2         5.6         -2         11.1         -2         33.0         -2         7         -4         13.4         -4         -6         11.9         -6         34.1         -6         34.1         -6         34.1         -6         34.1         -6         34.1         -6         34.1         -6         7         -6         18.1         -6         34.4         -7         -2         11.2         -8         17.5         -8         37.5         -8         7         -2         18.9 <td>7.1</td>	7.1
6.6         20.8         6.6         5.5         6.6         10.1         6.6         31.4         6.6         6.6         6.5         6.6         10.1         6.8         31.9         8.7         71.         10.8         81.         32.4         91.         72.         11.2         2.33.0         2.2         77.         10.8         81.         32.4         91.         77.         4.0         33.5         4.7         4.7         4.6         11.5         4.33.5         4.7         4.7         4.6         11.9         6.6         34.1         6.6         77.         4.6         11.9         6.6         34.1         6.6         77.         4.6         8.2         35.2         92.         77.         52.         18.9         62.         4.4         72.         12.6         82.         35.2         92.         77.         52.         18.6         2.2         4.1         2.13.0         2.2         35.8         2.2         7.         2.2         18.6         2.2         4.1         38.1         4.13.4         4.3         36.4         4.7         36.4         4.7         36.4         4.7         36.9         4.7         36.8         4.7         38.1         4.8	8.0
66         20.8         6.6         6.5         6.6         10.1         6.8         31.9         8.8         7.5         71.         10.8         81.9         91.         7.8         71.         10.8         81.9         91.         7.7         10.8         81.9         2.2         7.7         10.8         81.9         2.2         7.7         6.6         19.4         6.6         5.0         6.6         11.9         6.6         34.1         6.7         4.7         6.6         19.4         6.6         5.0         6.6         11.9         6.6         34.1         6.7         4.7         6.6         19.2         8.8         4.7         8.8         12.2         8.8         34.6         8.8         7.7         8.8         12.2         8.8         34.6         8.8         7.7         8.8         12.2         8.8         34.6         8.8         7.7         8.8         12.2         8.8         34.6         8.8         7.7         8.8         13.1         8.8         14.1         8.2         35.2         92.2         7.7         92.1         13.0         93.5         7.8         14.7         93.8         93.7         93.7         93.2         7.8         14.7	8.9
51.         20.2         61.         5.9         71.         10.8         81.         32.4         91.         7           .4         19.7         .4         5.3         .4         11.5         .4         33.5         .4         7           .6         19.4         .6         5.0         .6         11.9         .6         34.1         .6         7           .8         19.2         .8         4.7         .8         12.2         .8         34.0         .8         7           52.         18.9         62.         4.4         72.         12.6         82.         35.2         92.         7           4         18.3         .4         13.4         .6         13.7         .6         36.4         .4         36.4         .6         13.7         .6         36.9         .6         .6         13.7         .6         36.9         .6         .6         13.7         .6         36.9         .6         .6         13.7         .6         36.9         .6         .6         13.7         .6         36.9         .6         .6         13.7         .6         36.9         .6         .6         13.7         .6	9.7
19.9	0.6
.2         19.9         .2         5.6         .2         11.2         .2         33.0         .2         7           .6         19.4         .6         5.0         .6         11.9         .6         34.1         .6         7           .8         19.2         .8         4.7         .8         12.2         .8         34.0         .8         7           52.         18.9         62.         4.4         72.         12.6         82.         35.2         92.         7           4         18.3         .4         3.8         .4         13.4         .6         18.1         .6         3.4         .6         18.7         .6         36.9         .6         7           .8         17.8         .8         31         .8         14.1         .8         37.5         .8         7           .8         17.5         63.         2.8         73.         14.5         83.         38.1         93.         7           .2         17.2         .2         2.5         .2         14.9         .2         38.7         .2         38.7         .2         38.7         .2         38.7         .2         38.	1.5
$ \begin{bmatrix} .4 & 19.7 & .4 & 5.3 & .4 & 11.5 & .4 & 33.5 & .4 & 7.6 \\ .8 & 19.2 & .8 & 4.7 & .8 & 12.2 & .8 & 34.1 & .8 & 34.6 \\ .2 & 18.9 & 62. & 4.4 & 72. & 12.6 & 82. & 35.2 & 92. & 7.2 \\ .2 & 18.6 & .2 & 4.1 & .2 & 13.0 & .2 & 35.8 & .2 & 7.2 \\ .4 & 18.3 & .4 & 3.8 & .4 & 13.4 & .4 & 36.4 & .4 & 7.6 \\ .8 & 17.8 & .8 & 3.1 & .8 & 14.1 & .8 & 37.5 & 8.7 \\ .5 & 17.5 & 63. & 2.8 & 73. & 14.5 & 83. & 38.1 & 93. & 7.5 \\ .2 & 17.2 & .2 & 2.5 & .2 & 14.9 & .2 & 38.7 & .2 & 8.7 \\ .4 & 16.9 & .4 & 2.2 & .4 & 15.3 & .4 & 30.4 & .4 & 8.6 \\ .5 & 16.7 & .6 & 1.8 & .6 & 15.6 & .6 & 40.0 & .6 & 8.8 \\ .6 & 16.7 & .6 & 1.8 & .6 & 15.6 & .6 & 40.0 & .6 & 8.8 \\ .5 & 16.4 & .8 & 1.5 & .8 & 16.0 & .8 & 40.7 & .8 & 8.8 \\ .4 & 15.5 & .4 & .6 & .2 & .6 & .4 & 17.2 & .4 & 42.7 & .4 & 8.8 \\ .4 & 15.5 & .4 & .6 & .2 & .6 & 17.7 & .6 & 43.5 & .6 & 8.8 \\ .8 & 15.0 & .8 & 1.7 & .8 & 18.1 & .8 & 44.2 & 94. & 9$	2.3
.6         19.4         .6         5.0         .6         11.9         .6         34.1         .6         7           52.         18.9         62.         4.4         .2         12.6         82.         .35.2         92.         7           .2         18.6         .2         4.1         .2         13.0         .2         35.8         .2         7           .4         18.3         .4         3.8         .4         13.4         .4         36.4         .4         7         .6         36.9         .6         7         .2         14.9         .2         14.9         .2         14.9         .2         18.9         .2         18.9         .2         18.9 <td>3.1</td>	3.1
.8       19.2       .8       4.7       .8       12.2       .8       34.6       .8       72.       12.6       82.       35.2       92.       7         .2       18.6       .2       4.1       .2       13.0       .2       35.8       .4       .4       36.4       .6       18.1       .6       33.4       .6       13.7       .6       36.9       .6       .7       .8       17.8       .8       31       .8       14.1       .8       37.5       .8       7         .8       17.8       .8       31       .8       14.1       .8       37.5       .8       7         .8       17.5       63.       2.8       73.       14.5       83.       38.1       93.       7         .2       17.2       .2       2.5       .2       14.9       .2       38.7       .2       .8       7       .2       8       .2       .3       .4       39.4       .4       .8       .6       15.6       .6       40.0       .6       .4       .2       .2       .8       .4       .4       .9       .2       .8       .8       .2       .4       .4       .4       .2 <td>4.0</td>	4.0
52.         18.9         62.         4.4         72.         12.6         82.         35.2         92.         7         .2         7         .2         13.0         .2         35.8         92.         7         .2         7         .2         35.8         92.         7         .2         14.4         .4	4.8
3.2         18.6         .2         4.1         .2         13.0         .2         35.8         .2         7         7         .4         18.3         .4         3.8         .6         13.7         .6         36.4         .4         7         7         .6         36.9         .6         7         .6         7         .6         7         .6         7         .6         7         .6         7         .6         7         .6         7         .6         7         .6         7         .2         2.2         2.5         .2         14.9         .2         38.7         .2         2.8         .7         .2         14.9         .2         38.7         .2         2.8         .2         .2         14.9         .2         38.7         .2         2.8         .2         .2         14.9         .2         38.7         .2         2.8         .2         .2         38.7         .2         18.9         .2         18.9         .2         18.9         .2         18.8         4.0         .2         18.8         4.1         18.4         4.1         4.1         4.1         4.1         4.1         4.1         4.1         4.1         4.1	5.6
.4       18.3       .4       3.8       .4       13.4       .4       36.4       .4       7.6       8.8       8.6       7.7       8.8	6.4
.6       18.1       .6       3.4       .6       13.7       .6       36.9       .6       7         .8       17.8       .8       31       .8       14.1       .8       37.5       .8       7         53.       17.5       63.       2.8       73.       14.5       83.       38.1       93.       7         .4       16.0       .4       2.2       .4       15.3       .4       39.4       .4       8         .6       16.7       .6       1.8       .6       15.6       .6       40.0       .6       .6       40.7       .8       8         .8       16.4       .8       1.5       .8       16.0       .8       40.7       .8       8         54.       16.1       64.       1.2       .7       .1       16.4       84.       41.3       94.       8         .4       15.5       .4       .6       .4       17.2       .4       42.7       .4       8       .2       42.0       .2       8         .5.       14.7       65.       .4       17.2       18.9       .2       45.6       .2       .2       .8       8 </td <td>7.2</td>	7.2
.8         17.8         .8         31         .8         14.1         .8         37.5         .8         7         93.         7           53.         17.5         63.         2.8         73.         14.5         83.         38.1         93.         7           .4         16.9         .4         2.2         .4         15.3         .4         39.4         .4         8           .6         16.7         .6         1.8         .6         15.6         .6         40.0         .6         8           .8         16.1         64.         1.2         74.         16.4         84.         41.3         94.         8           .4         15.5         .4         .6         .4         17.2         .4         42.7         .4         8           .6         15.3         .6         .2         .6         17.7         .6         43.5         .6         8           .8         15.0         .8         15.         .4         17.2         .4         42.7         .4         8           .2         14.4         .2         .7         .2         18.9         .2         45.6         .2	7.9
53.         17.5         63.         2.8         73.         14.5         83.         38.1         93.         7.2         8           .4         16.9         .4         2.2         .4         15.3         .4         39.4         .4         8           .6         16.7         .6         1.8         .6         15.6         .6         40.0         .6         8           .8         16.4         .8         1.5         .8         16.0         .8         40.7         .8         8           .4         16.1         64.         1.2         74.         16.4         84.         41.3         94.         8           .4         15.5         .4         .6         .4         17.2         .4         42.7         .4         8           .6         15.3         .6         .2         .6         17.7         .6         43.5         .6         8           .8         15.0         .8         .1         .8         18.1         .8         44.2         .8         8           .8         15.0         .8         .1         .7         .2         18.9         .4         44.9         95.	8.7
17.2	9.5
.4       16.9       .4       2.2       .4       15.3       .4       39.4       .4       8         .6       16.7       .6       1.8       .6       15.6       .6       40.0       .6       8         .8       16.4       .8       1.5       .8       16.0       .8       40.7       .8       8         54.       16.1       64.       1.2       74.       16.4       84.       41.3       94.       8         .2       15.8       .2       .9       .2       16.8       .2       42.0       .2       .8       8         .4       15.5       .4       .6       .4       17.2       .4       42.7       .4       8         .6       15.3       .6       .2       .6       17.7       .6       43.5       .6       8         .8       15.0       .8       18.1       .8       44.2       .8       8       8       .6       8       .2       .8       8       8       .2       .8       8       .8       .2       .8       8       .8       .2       .8       .8       .2       .8       .8       .2       .8       .8<	0.2
.6         16.7         .6         1.8         .6         15.6         .6         40.0         .6         8         9           .8         16.4         .8         1.5         .8         16.0         .8         40.7         .8         8           54.         16.1         64.         1.2         74.         16.4         84.         41.3         94.         8           .2         15.8         .2         .9         .2         16.8         .2         42.0         .2         .8         8           .4         15.5         .4         .6         .4         17.2         .4         42.7         .4         8           .6         15.3         .6         .2         .6         17.7         .6         43.5         .6         8           .8         15.0         .8         1.1         .8         18.1         .8         44.2         .8         8         8           .5         14.7         65.         .4         75.         18.5         85.         44.9         95.         .2         8         8           .5         14.4         .6         19.8         .6         47.1	80.9
.8         16.4         .8         1.5         .8         16.0         .8         40.7         .8         8         94.         8         94.         48.         94.         8         8         8         94.         95.         8         8         8         8         95.         95.         8         8 </td <td>31.6</td>	31.6
54.         16.1         64.         1.2         74.         16.4         84.         41.3         94.         8           .2         15.8         .2         .9         .2         16.8         .2         42.0         .2         8           .4         15.5         .4         .6         .4         17.2         .4         42.7         .4         8           .6         15.3         .6         .2         .6         17.7         .6         43.5         .6         .8           .8         15.0         .8         .1         .8         18.1         .8         44.2         .8         8           55.         14.7         65.         .4         75.         18.5         85.         44.9         95.         8           .2         14.4         .2         .7         .2         18.9         .2         45.6         .2         8         8           .4         14.1         .4         1.0         .4         19.3         .4         46.4         .4         8         .2         2         8           .8         13.5         .8         1.7         .8         20.2         .8	2.3
15.2       15.8       .2       .9       .2       16.8       .2       42.0       .2       8       .4       .6       .4       17.2       .4       42.7       .4       8       .6       .8       15.5       .4       .6       .2       .6       17.7       .6       43.5       .6       .8       .8       8       .6       .8       .8       11.7       .8       18.1       .8       44.2       .8       .8       8       .2       .8       .8       .8       .8       .8       .8       .2       .8       .8       .8       .8       .2       .8       .8       .8       .2       .8       .8       .2       .8       .8       .2       .2       .8       .8       .2       .2       .8       .8       .2       .9       .2       .8       <	3.0
.4       15.5       .4       .6       .2       .6       17.7       .6       43.5       .4       8       .6       .8       17.7       .6       43.5       .6       .6       8       .6       17.7       .6       43.5       .6       .6       8       .6       8       .6       17.7       .6       43.5       .6       .8       .2       .8       .8       .8       .8       .2       .8       .8       .8       .8       .8       .2       .8       .8       .8       .2       .8       .8       .2       .2       .8       .8       .2       .2       .8       .8       .2       .2       .8       .8       .2       .2       .8       .8       .2       .2       .8       .8       .8       .2       .2       .2<	3.7
.6       15.3       .6       .2       .6       17.7       .6       43.5       .6       .8       8	4.3
.8       15.0       .8       .1       .8       18.1       .8       44.2       .8       8       95.       8       95.       8       95.       8       95.       8       95.       8       95.       8       95.       8       8       95.       8       8       95.       8       8       95.       8       8       95.       8       8       95.       8       8       95.       8       8       95.       8       8       95.       8       8       1.2       <	5.0
55.         14.7         65.         .4         75.         18.5         85.         44.9         95.         8           .4         14.1         .4         1.0         .4         19.3         .4         46.4         .4         8           .6         13.8         .6         1.4         .6         19.8         .6         47.1         .6         8           .8         13.5         .8         1.7         .8         20.2         .8         47.9         .8         8           56         13.2         66.         2.0         76.         20.6         86.         48.6         96.         8           .2         12.9         .2         2.3         .2         21.0         .2         49.5         .2         9           .4         12.6         .4         2.7         .4         21.4         .4         50.3         .4         9           .6         12.4         .6         3.0         .6         21.9         .6         51.2         .6         9           .8         12.1         .8         3.4         .8         22.3         .8         52.0         97.         97.	5.6
$ \begin{bmatrix} .2 & 14.4 & .2 & .7 & .2 & 18.9 & .2 & 45.6 \\ .4 & 14.1 & .4 & 1.0 & .4 & 19.3 & .4 & 46.4 \\ .6 & 13.8 & .6 & 1.4 & .6 & 19.8 & .6 & 47.1 \\ .8 & 13.5 & .8 & 1.7 & .8 & 20.2 & .8 & 47.9 \\ .5 & 13.2 & 66. & 2.0 & 76. & 20.6 & 86. & 48.6 \\ .2 & 12.9 & .2 & 2.3 & .2 & 21.0 & .2 & 49.5 \\ .4 & 12.6 & .4 & 2.7 & .4 & 21.4 & .4 & 50.3 \\ .8 & 12.1 & .8 & 3.4 & .8 & 22.3 & .8 & 52.0 \\ .8 & 12.1 & .8 & 3.4 & .8 & 22.3 & .8 & 52.0 \\ .2 & 11.8 & 67. & 3.7 & 77. & 22.7 & 87. & 52.9 & 97. \\ .2 & 11.5 & .2 & 4.0 & .2 & 23.2 & .2 & 53.9 \\ .4 & 11.2 & .4 & 4.4 & .4 & 23.6 & .4 & 54.8 & .4 \\ .6 & 11.0 & .6 & 4.7 & .6 & 24.1 & .6 & 55.8 & .6 & 9 \\ .8 & 10.7 & .8 & 5.1 & .8 & 24.5 & .8 & 56.7 & .8 & 9 \\ .8 & 10.7 & .8 & 5.1 & .8 & 24.5 & .8 & 56.7 & .8 & 9 \\ .8 & 10.4 & 68. & 5.4 & 78. & 25.0 & 88. & 57.7 & 98. & 9 \\ .2 & 10.1 & .2 & 5.8 & .2 & 25.5 & .2 & 58.7 & .2 & 9 \\ \end{bmatrix} $	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	36.3
$ \begin{bmatrix} .6 & 13.8 & .6 & 1.4 & .6 & 19.8 & .6 & 47.1 \\ .8 & 13.5 & .8 & 1.7 & .8 & 20.2 & .8 & 47.9 \\ 56 & 13.2 & 66. & 2.0 & 76. & 20.6 & 86. & 48.6 \\ .2 & 12.9 & .2 & 2.3 & .2 & 21.0 & .2 & 49.5 \\ .4 & 12.6 & .4 & 2.7 & .4 & 21.4 & .4 & 50.3 \\ .6 & 12.4 & .6 & 3.0 & .6 & 21.9 & .6 & 51.2 \\ .8 & 12.1 & .8 & 3.4 & .8 & 22.3 & .8 & 52.0 \\ .8 & 12.1 & .8 & 3.4 & .8 & 22.3 & .8 & 52.0 \\ .2 & 11.5 & .2 & 4.0 & .2 & 23.2 & .2 & 53.9 \\ .4 & 11.2 & .4 & 4.4 & .4 & 23.6 & .4 & 54.8 \\ .6 & 11.0 & .6 & 4.7 & .6 & 24.1 & .6 & 55.8 \\ .8 & 10.7 & .8 & 5.1 & .8 & 24.5 & .8 & 56.7 \\ .8 & 10.4 & 68. & 5.4 & 78. & 25.0 & 88. & 57.7 \\ .2 & 10.1 & .2 & 5.8 & .2 & 25.5 & .2 & 58.7 \\ \end{bmatrix} $	6.9
$ \begin{bmatrix} .8 & 13.5 & .8 & 1.7 & .8 & 20.2 & .8 & 47.9 \\ 56 & 13.2 & 66. & 2.0 & 76. & 20.6 & 86. & 48.6 \\ .2 & 12.9 & .2 & 2.3 & .2 & 21.0 & .2 & 49.5 \\ .4 & 12.6 & .4 & 2.7 & .4 & 21.4 & .4 & 50.3 \\ .6 & 12.4 & .6 & 3.0 & .6 & 21.9 & .6 & 51.2 \\ .8 & 12.1 & .8 & 3.4 & .8 & 22.3 & .8 & 52.0 \\ .8 & 12.1 & .8 & 3.4 & .8 & 22.3 & .8 & 52.0 \\ .2 & 11.5 & .2 & 4.0 & .2 & 23.2 & .2 & 53.9 \\ .4 & 11.2 & .4 & 4.4 & .4 & 23.6 & .4 & 54.8 \\ .6 & 11.0 & .6 & 4.7 & .6 & 24.1 & .6 & 55.8 \\ .8 & 10.7 & .8 & 5.1 & .8 & 24.5 & .8 & 56.7 \\ .8 & 10.4 & 68. & 5.4 & 78. & 25.0 & 88. & 57.7 \\ .2 & 10.1 & .2 & 5.8 & .2 & 25.5 & .2 & 58.7 \\ \end{bmatrix} $	37.5
$ \begin{bmatrix} 56 & 13.2 & 66. & 2.0 & 76. & 20.6 & 86. & 48.6 & 96. & 8 \\ .2 & 12.9 & .2 & 2.3 & .2 & 21.0 & .2 & 49.5 \\ .4 & 12.6 & .4 & 2.7 & .4 & 21.4 & .4 & 50.3 & .4 & 9 \\ .6 & 12.4 & .6 & 3.0 & .6 & 21.9 & .6 & 51.2 & .6 & 9 \\ .8 & 12.1 & .8 & 3.4 & .8 & 22.3 & .8 & 52.0 & .8 & 9 \\ 57. & 11.8 & 67. & 3.7 & 77. & 22.7 & 87. & 52.9 & 97. & 9 \\ .2 & 11.5 & .2 & 4.0 & .2 & 23.2 & .2 & 53.9 & .2 & 9 \\ .4 & 11.2 & .4 & 4.4 & .4 & 23.6 & .4 & 54.8 & .4 & 9 \\ .6 & 11.0 & .6 & 4.7 & .6 & 24.1 & .6 & 55.8 & .6 & 9 \\ .8 & 10.7 & .8 & 5.1 & .8 & 24.5 & .8 & 56.7 & .8 & 9 \\ 58. & 10.4 & 68. & 5.4 & 78. & 25.0 & 88. & 57.7 & 98. & 9 \\ .2 & 10.1 & .2 & 5.8 & .2 & 25.5 & .2 & 58.7 & .2 & 9 \\ \end{bmatrix} $	88.2
$ \begin{bmatrix} .2 & 12.9 & .2 & 2.3 & .2 & 21.0 \\ .4 & 12.6 & .4 & 2.7 & .4 & 21.4 & .4 & 50.3 \\ .6 & 12.4 & .6 & 3.0 & .6 & 21.9 & .6 & 51.2 \\ .8 & 12.1 & .8 & 3.4 & .8 & 22.3 & .8 & 52.0 \\ .2 & 11.5 & .2 & 4.0 & .2 & 22.7 & 87. & 52.9 \\ .4 & 11.2 & .4 & 4.4 & .4 & 23.6 & .4 & 54.8 & .2 & 97. \\ .4 & 11.0 & .6 & 4.7 & .6 & 24.1 & .6 & 55.8 & .6 & 99. \\ .8 & 10.7 & .8 & 5.1 & .8 & 24.5 & .8 & 56.7 & .8 & 99. \\ .8 & 10.4 & 68. & 5.4 & 78. & 25.0 & 88. & 57.7 & 98. & 99. \\ .2 & 10.1 & .2 & 5.8 & .2 & 25.5 & .2 & 58.7 & .2 & 99. \\ \end{bmatrix} $	88.8
$ \begin{bmatrix} .4 & 12.6 & .4 & 2.7 & .4 & 21.4 & .4 & 50.3 & .4 & 9 \\ .6 & 12.4 & .6 & 3.0 & .6 & 21.9 & .6 & 51.2 & .6 & 9 \\ .8 & 12.1 & .8 & 3.4 & .8 & 22.3 & .8 & 52.0 & .8 & 9 \\ 57. & 11.8 & 67. & 3.7 & 77. & 22.7 & 87. & 52.9 & 97. & 9 \\ .2 & 11.5 & .2 & 4.0 & .2 & 23.2 & .2 & 53.9 & .2 & 9 \\ .4 & 11.2 & .4 & 4.4 & .4 & 23.6 & .4 & 54.8 & .4 & 9 \\ .6 & 11.0 & .6 & 4.7 & .6 & 24.1 & .6 & 55.8 & .6 & 9 \\ .8 & 10.7 & .8 & 5.1 & .8 & 24.5 & .8 & 56.7 & .8 & 9 \\ 58. & 10.4 & 68. & 5.4 & 78. & 25.0 & 88. & 57.7 & 98. & 9 \\ .2 & 10.1 & .2 & 5.8 & .2 & 25.5 & .2 & 58.7 & .2 & 9 \\ \end{bmatrix} $	89.4
$ \begin{bmatrix} .6 & 12.4 & .6 & 3.0 & .6 & 21.9 & .6 & 51.2 \\ .8 & 12.1 & .8 & 3.4 & .8 & 22.3 & .8 & 52.0 \\ 57. & 11.8 & 67. & 3.7 & 77. & 22.7 & 87. & 52.9 \\ .2 & 11.5 & .2 & 4.0 & .2 & 23.2 & .2 & 53.9 \\ .4 & 11.2 & .4 & 4.4 & .4 & 23.6 & .4 & 54.8 \\ .6 & 11.0 & .6 & 4.7 & .6 & 24.1 & .6 & 55.8 \\ .8 & 10.7 & .8 & 5.1 & .8 & 24.5 & .8 & 56.7 \\ .8 & 10.4 & 68. & 5.4 & 78. & 25.0 & 88. & 57.7 \\ 58. & 10.4 & 68. & 5.4 & 78. & 25.0 & 88. & 57.7 \\ .2 & 10.1 & .2 & 5.8 & .2 & 25.5 & .2 & 58.7 & .2 & 9 \\ \end{bmatrix} $	0.0
$ \begin{bmatrix} .8 & 12.1 & .8 & 3.4 & .8 & 22.3 & .8 & 52.0 \\ 57. & 11.8 & 67. & 3.7 & 77. & 22.7 & 87. & 52.9 \\ .2 & 11.5 & .2 & 4.0 & .2 & 23.2 & .2 & 53.9 \\ .4 & 11.2 & .4 & 4.4 & .4 & 23.6 & .4 & 54.8 & .4 & 9 \\ .6 & 11.0 & .6 & 4.7 & .6 & 24.1 & .6 & 55.8 & .6 & 9 \\ .8 & 10.7 & .8 & 5.1 & .8 & 24.5 & .8 & 56.7 & .8 & 9 \\ 58. & 10.4 & 68. & 5.4 & 78. & 25.0 & 88. & 57.7 & 98. & 9 \\ .2 & 10.1 & .2 & 5.8 & .2 & 25.5 & .2 & 58.7 & .2 & 9 \\ \end{bmatrix} $	00.5
$ \begin{bmatrix} 57. & 11.8 & 67. & 3.7 & 77. & 22.7 & 87. & 52.9 \\ .2 & 11.5 & .2 & 4,0 & .2 & 23.2 & .2 & 53.9 \\ .4 & 11.2 & .4 & 4.4 & .4 & 23.6 & .4 & 54.8 & .4 & 9 \\ .6 & 11.0 & .6 & 4.7 & .6 & 24.1 & .6 & 55.8 & .6 & 9 \\ .8 & 10.7 & .8 & 5.1 & .8 & 24.5 & .8 & 56.7 & .8 & 9 \\ 58. & 10.4 & 68. & 5.4 & 78. & 25.0 & 88. & 57.7 & 98. & 9 \\ .2 & 10.1 & .2 & 5.8 & .2 & 25.5 & .2 & 58.7 & .2 & 9 \\ \end{bmatrix} $	01.1
$ \begin{bmatrix} \begin{array}{c ccccccccccccccccccccccccccccccccccc$	01.6
$ \begin{bmatrix} \begin{array}{c ccccccccccccccccccccccccccccccccccc$	92.2
$ \left[ \begin{array}{c c c c c c c c c c c c c c c c c c c $	2.8
$ \begin{bmatrix} .8 &   10.7 &   & .8 &   5.1 &   & .8 &   24.5 &   & .8 &   56.7 &   & .8 &   9 \\ 58. &   10.4 &   68. &   5.4 &   78. &   25.0 &   88. &   57.7 &   98. &   9 \\ .2 &   10.1 &   & .2 &   5.8 &   & .2 &   25.5 &   & .2 &   58.7 &   & .2 &   9 \\ \end{bmatrix} $	93.3
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	93.9
.2   10.1    .2   5.8    .2   25.5    .2   58.7    .2   9	)4.4
	05.0
	95.5
	06.0
	06.5
	7.0
	97.5
$\parallel \cdot 2 \mid 8.6 \parallel \cdot 2 \mid 7.6 \parallel \cdot 2 \mid 27.9 \parallel \cdot 2 \mid 63.4 \parallel \cdot 2 \mid 9$	98.0
	98.5
$\parallel \cdot \cdot$	99.0
	99.5
60.   7.4   70.   9.0   80.   29.9   90.   67.1   100.   10	0.00

#### TEMPERATURE 33°.

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ı	Wts. &	D	3374. 0	70	3371 0	-	TYTE O	70		_
1			Wts. &		Wts. &		Wts. &		Wts. &	
ı	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
ı	on	over	on	over	on	over	on	over	on	over
ı	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
ı										
H	0.	-	10.	64.6	20.	55.5	30.	45.5	40,	34.1
ŧ	.2		.2	64.4	.2	55.3	.2	45.3	.2	33.9
ı	.4		•4	64.3	•4	55.1	•4	45.1	.4	33.6
ł	.6	-	.6	64.1	.6	55.0	.6	44.8	.6	33.4
I	.8		.8	64.0	.8	54.8	.8	44.6	.8	33.1
ı	I.	_	11.	63.8	21.	54.6	31.	44.4	41.	32.9
I	.2		.2	63.6	.2	54.4	.2	44.2	.2	32.6
ı	.4		•4	63.4	•4	54.2	•4	44.0	.4	32.4
ı	.6		.6	63.3	.6	54.1		43.7	.6	32.1
ı	.8		.8	63.1	.8	53.9	.9	43.5	.8	31.9
ı				62.9		53.7		43.3	1 3	31.6
	2.		12.	60.7	22.		32.		42.	
I	.2	-	.2	62.7	.2	53.5	.2	43.1	.2	31.4
	•4		•4	62.5	•4	53.3	•4	42.8	•4	31.1
1	.6	-	.6	62.4	.6	53.1	.6	42.6	.6	30.9
1	.8		.8	62.2	.8	52.9	.8	42.3	.8	30.6
	3.	-	13.	62.0	23.	52.7	33.	42.1	43.	30.4
	.2	- 0	.2	61.8	,2	52.5	.2	41.9	.2	30.1
ł	٠4	- 9	•4	61.6	.4	52.3	•4	41.7	-4	29.9
ı	.6		.6	61.5	.6	52, 1	.6	41.4	.6	29.6
ı	.8	70.0	.8	61.3	.8	51.9	.8	41.2	.8	29.4
H	4.	69.8	14.	61.1	24.	51.7	34	41.0	44.	29.1
I	.2	69.6	.2	60.9	.2	51.5	.2	40.8	.2	28.9
H		69.4	.4	60.7	.4	51.3	.4	40.6	.4	28.6
ı	•4	69.3	.6	60.6	.6	51.1	.6	40.4	.6	28.4
ı	.6	69.1		60.4	.8	50.9	.8	40.2	.8	28.1
ł	.8		.8			50.7		40.0	1	27.9
i	5.	68.9	15.	60.2	25.		35-		45.	27.6
ı	,2	68.7	.2	60.0	.2	50.5	.2	39.8	.2	27.0
1	.4	68.6	-4	59.8	•4	50.3	•4	39.5	•4	27.4
l	.6	68.4	.6	59.7	.6	50.1	.6	39.3	.6	27.1
ŧ	.8	68.3	.8	59.5	.8	49.9	.8	39.0	.8	26.9
I	6.	68.1	16.	59.3	26.	49.7	36.	38.8	46.	26.6
ı	.2	67.9	.2	59.1	,2	49.5	.2	38.6	.2	26.3
	.4	67.7	.4	58.9	.4	49.3	.4	38.3	•4	26.1
	.6	67.6	.6	58.8	.6	49.0	.6	38.1	.6	25.8
I	.8	67.4	.8	58.6	.8	48.8	.S	37.8	.S	25.6
	7.	67.2	17.	58.4	27.	48.7	37-	37.6	47.	25.3
	.2	67.0	.2	58.2	.2	48.4	.2	37.4	.2	25.0
		66.9	•4	58.0	.4	48.2	.4	37.1	.4	24.8
	•4		.6	57.8	.6	47.9	.6	36.9	.6	24.5
	.6	66.7	.8	57.6	.8	47.7	.8	36.6	.8	24.3
	.8	66.6			28.	47.5	38.	36.4	48.	24.0
	8.	66.4	18.	57.4				36.2	.2	23.7
	.2	66.2	.2	57.2	.2	47.3	.2			23.5
	.4	66.0	.4	57.0	•4	47.1	•4	36.0	•4	23.2
	.6	$65.9 \parallel$	.6	56.9	.6	46.9	.6	35.7	.6	
	.8	65.7	.8	56.7	.8	46.7	.8	35.5	.8	23.0
	9.	65.5	19.	56.5	29.	46.5	39.	35.3	49.	22.7
	.2	65.3	. 2	56.3	.2	46.3	.2	35.1	.2	22.4
	.4	65.1	.4	56.1	.4	46.1	•4	34.8	.4	22.1
	.6	65.0	.6	55.9	.6	45.9	.6	34.6	.6	21.9
	.s	61.8	.8	55.7	.8	45.7	.8	34.3	.8	21.6
		61.6	20.	55.5	30.	45.5	40.	34.1	50.	21.3
	IO,	31.0	20.			1				
L										

#### TEMPERATURE 33°.

			_						
Wts. &	Per	Wts. &	Per	Wts. &		Wts. &		Wts. &	
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
on	over	on	over	on	under	on	under	on	under
Stem.	Proof.				Proof.		Proof.		Proof.
Otolii.	1 1001.	- COULT	110011					Docin.	
	21.3	60.	7.1	70.	9.3	So.	30.2	00	67.3
50.	21.0	1	6.8		9.7			90.	68.2
.2		.2		.2		.2	30.7	.2	
.4	20.7	•4	6.5	-4	10.0	•4	31.2	•4	69.0
.6	20.5	.6	6.1	.6	10.4	.6	31.8	.6	69.9
.8	20.2	.8	5.8	.8	10.7	.8	32.3	.8	70.7
51.	19.9	61.	5.5	71.	11.1	81.	32.8	91.	71.6
.2	19.6	.2	5.2	.2	11.5	.2	33.4	.2	72.4
.4	19.4	.4	4.9	.4	11.8	•4	33.9	.4	73.2
.6	19.1	.6	4.6	.6	12.2	.6	34.5		74.1
	18.9	.8	4.3		12.5	.0	25.0	.6	
.8				.8	10.0	.8	35.0	.8	74.9
52.	18.6	62.	4.0	72.	12.9	82.	35.6	92.	75.7
.2	18.3	.2	3.7	.2	13.3	.2	36.2	.2	76.5
.4	18.0	.4	3.4	.4	13.7	.4	36.8	.4	77.2
.6	17.8	.6	3.1	.6	14.0	.6	37.3	.6	78.0
.s	17.5	.8	2.8	.8	14.4	.8	37.9	.8	78.7
53.	17.2	63.	2.5	73.	14.8	83.	38.5		79.5
.2	16.9	.2	2.2	.2	15.2	.2	39.1	93.	80.2
			1.9					.2	
•4	16.6	.4	1.0	•4	15.6	•4	39.7	•4	80.9
.6	16, 4	.6	1.5	.6	16.0	.6	40.4	.6	81.6
.8	16.1	.8	1.2	.8	16.4	.8	41.0	.8	82.3
54-	15.8	64.	.9	74.	16.8	84.	41.6	94.	83.0
.2	15.5	.2	.6	.2	17.2	.2	42.3	.2	83.7
.4	15.2	.4	.2	.4	17.6	.4	43.0	.4	84.3
.6	15.0	.6	.1	.6	18.0		43.8		
			• 1		10.0	.6	40.8	.6	85.0
.8	14.7	.8	.5	.8	18.4	.8	44.5	.8	85.6
55.	14.4	65.	.8	75.	18.8	85.	45.2	95.	86.3
.2	14.1	.2	1.1	.2	19.2	.2	45.9	,2	86.9
.4	13.8	.4	1.4	.4	19.7	.4	46.7	.4	87.5
1 .6	13.5	.6	1.8	.6	20.1	.6	47.4	.6	88.2
.8	13.2	.8	2.1	.8	20.6	.8	$48.\overline{2}$	.8	88.8
56.	12.9	66.	2.4	76.	21.0	86.	48.9		89.4
.2	12.6	.2	2.7	.2	21.4			96.	
	12.3					.2	49.8	,2	90.0
•4	12.0	.4	3.1	•4	21.8	·4	50.7	-4	90.5
.6	12.1	.6	3.4	.6	22.3	.6	51.5	.6	91.1
.8	11.8	.8	3.8	.8	22.7	.8	52.4	.8	91.6
57.	11.5	67.	4.1	77.	23.1	87.	53.3	97.	92.2
.2	11.2	.2	4.4	.2	23.5	.2	54.2	.2	92.8
.4	10.9	-4	4.8	.4	24.0	.4	55.2	.4	93.3
.6	10.6	.6	5.1	.6	24.4	.6	56.1	.6	
.8	10.3	.8	5.5	.8	24.9	.8	57.1		93.9
58.	10.0	68.	5.8	78.	05.9	00		.8	94.4
	9.7				25.3	88.	58.0	98.	95.0
.2		.2	6.1	.2	25.8	.2	59,0	.2	95.5
1 .4	9.4	•4	6.5	•4	26.3	.4	59.9	.4	96.0
.6	9.2	.6	6.8	.6	26.7	.6	60.9	.6	96.5
.8	-8.9	.8	7.2	.8	27.2	.8	61.8	.8	97.0
59.	8.6	69.	7.5	79.	27.7	89.	62.8	99.	97.5
.2	8.3	.2	7.9	.2	28.2	.2	63.7		98.0
.4	8.0	.4	8.2	1	28.7			.2	
.6	7.7	.6	8.6	.6		•4	64.6	•4	98.5
.8	7.4				29.2	.6	65.5	.6	98.9
1 -		.8	$\frac{8.9}{0.9}$	.8	29.7	.8	66.4	.8	99.4
60,	7.1	70.	9.3	80.	30.2	90.	67.3	100.	99.9
				1	1		1	1	
_									

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## TEMPERATURE 34°.

	1	1							
Wts. 8	Per	Wtak	Per	Wts. &	Dan	3374 .	1	1	1 _
Divs.	Cent.	Diva	Cent.		Per Cent.	Wts. &		Wts. &	Per
on	over	on	over .	on	over	Divs.	Cent.	75	
	Proof.	Stem.	Proof.	Stem.	Proof.	on Stem.	over	on	over
				Stem.	11001.	ътеш.	Proof.	Stem.	Proof.
0.		10.	64.4	20.	55.3	30.	45.2	10	22.0
.2	_	.2	64.2	.2	55.1	.2	45.0	40.	33.8
.4	-	.4	64.1	.4	54.9	.4	44.8		33.3
.6		.6	63.9	.6	54.8	.6	44.5	.4	33.1
.8		.8	63.8	.8	54.6	.8	44.3	.8	32.8
I.		II.	63.6	21.	54.4	31.	44.1	41.	32.6
.2	-	.2	63.4	.2	54.2	.2	43.9	.2	32.4
.4	_	.4	63.2	.4	54.0	.4	43.7	.4	32.1
.6		.6	63.1	.6	53.8	.6	43.4	.6	31.9
.8	-	.8	62.9	.8	53.6	.8	43.2	.8	31.6
2.	- !	12.	62.7	22.	53.4	32.	43.0	42.	31.4
.2	- 1	,2	62.5	.2	53.2	.2	42.8	.2	31.2
1 .4		.4	62.3	•4	53.0	.4	42.6	.4	30.9
.6	-	.6	62.2	.6	52.8	.61	42.3	.6	30.7
.8	-	.8	62.0	.8	52,6	. 8	42.1	.8	30.4
3.	-	13.	61.8	23.	52,4	33.	41.9	43.	30.2
.2	_	.2	61.6	.2	52.2	2	41.7	.2	29.9
.4		.4	61.4	·4 j	52.0	.4	41.5	.4	29.7
.6	69.9	.6	61.3	.6	51.8	.6	41.2	.6	29.4
,8	69.8	.8	61.1	.8	51.6	.8	41.0	.8	29.2
4-	69.6	14.	60.9	24.	51.4	34.	40.8	44.	28.9
.2	69.4	.2	60.7	.2	51.2	.2	40.6	.2	28.6
.4	69.2	.4	60.5	•4	51.0	.4	40.4	.4	28.4
.6	69.1	.6	60.4	.6	50.8	.6	40.1	.6	28.1
.8	68.9	.8	60.2	.8	50.6		39.9	.8	27.9
5.	6S.7	15.	60.0	25.	50.4	35.	39.7	45.	27.6
.2	68.5	.2	59.8	.2	50.2	.2	39.5	.2	27.3
•4	68.4	.4	59.6	•4	50.0	.4	39.2	.4	27.1
.6	68.2 68.1	.6	59.5	.6	49.8	.6	39.0	.6	26.8
	67.9		59.3	.8	49.6	.8	38.7	.8	26.6
6.	67.7	16.	59.1 58.9	26.	49.4 49.2	36.	38.5	46.	26.3
		.2	58.7	.2	49.2	.2	38.3	.2	26.0
.4 .6	$67.5 \parallel 67.4 \parallel$	.4	58.6	•4		.4	38.0	•4	25.8
.8	67.2	.6	58.4	.6	48.8 48.6	.8	37.8	.6	25.5
7.	67.0		58.2	.8	48.4		37.5 37.3	.8	25.3 25.0
.2	66.8	17.	58.0	27.	48.2	37.	37.1	47.	20.0
.4	66.7	.4	57.8	1	48.0	.4	36.9	.2	24.7
.6	66.5	.6	57.6	.6	47.7	6	36.6	.4	24.2
.8	66.4	.8	57.4	.8	47.5	.6	36.4	.8	24.0
8.	66.2	18.	57.2	28.	47.3	38.	36.2	48.	23.7
.2	66.0	.2	57.0	.2	47.1	2	36.0	.2	23.4
.4	65.8	.4	56.8	.4	46.9	.4	35.7	.4	23.2
.6	65.7	.6	56.7	.6	46.7	[6]	35.5	.6	22.9
.8	65.5	.8	56.5	.8	46.5	.8	35.2	.8	22.7
9.	65.3	19.	56.3	29.	46.3	39.	35.0	49.	22.4
.2	65.1	.2	56.1	.2	46.1	.2	34.8	.2 (	22.1
.4	64.9	.4	55.9	.4	45.9	.4	34.5	.4	21.8
.6	64.8	.6	55.7	.6	45.6	.6	34.3	.6	21.6
.8	64.6	.8	55.5	.8	45.4	.8	34.0	.8	21.3
IO.	64.4	20.	55.3	30.	45.2	40.	33.8	50.	21.0
		1			1				

### TEMPERATURE 34°.

	i i	11		li .	i	li .		11	1
Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per
	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.		
on on	over	on	over	on	under		under		under
Stem.	Proof.		Proof.		Proof.		Proof.		
Decin						Docum.	2 1001.	, Decini	11001.
50.	21.0	60.	6.8	70.	9.6	80.	30.6	90.	67.5
.2	20.7	.2	6.5	.2	10.0	.2	31.1	.2	68.3
.4	20.4	.4	6.2	.4	10.3	.4	31.6	.4	69.2
.6	20.2	.6	5.8	.6	10.7	.6	32.1	.6	70.0
.8	19.9	.8	5.5	.8	11.0	.8	32,6	.8	70.9
51.	19.6	61.	5.2	71.	11.4	81.	33.1	91.	71.7
.2	19.3	.2	4.9	.2	11.8	.2	33.7	.2	72.5
.4	19.1	.4	4.6	•4	12.2	.4	34.2	•4	73.3
.6	18.8	.6	4.3	.6	12.5	.6	34.8	.6	74.2
.8	18.6	.8	4.0	.8	12.9	.8	35.3	.8	75.0
52.	18.3	62.	3.7	72.	13.3	82.	35.9	92.	75.8
.2	18.0	.2	3.4	.2	13.7	,2	36.5	.2	76.6
.4	17.7	.4	3.1	•4	14.1	.4	37.1	.4	77.3
.6	17.5	.6	2.8	.6	14.4	.6	37.6	.6	78.1
.8	17.2	.8	2.5	.8	14.8	.8	38.2	.8	78.8
53.	16.9	63.	2.2	73.	15.2	83.	38.8	93.	79.6
.2	16.6	.2	1.9	.2	15.6	.2	39.4	.2	80.3
.4	16.3 16.1	•4	1.6	•4	16.0	•4	40.1	•4	81.0
.6	15.8	.6	$\begin{array}{c} 1.2 \\ .9 \end{array}$	.6	16.3 16.7	.6	40.7	.6	81.6
	15.5	.8		.8		8.8	41.4	.8	82.3
54-	15.5 $15.2$	64.	.6	74.	17.1 17.5	84.	42.0	94.	83.0
.2	14.9	.2		.2		.2	42.7	.2	83.7
.4	14.7	.4	.1	•4	17.9	1 .4	43.4	•4	84.3
.6	14.4	.6 .8	.8	.6	18.4	.6	44.2	.6	85.0
	14.1	65.	1.1	.8	19.2	8.5	44.9	.8	85.6
55.	13.8	.2	1.4	75.	19.6	85.	45.6	95.	86.3
.4	13.5	.4	1.7	.2	20.0	.2	46.3 47.1	.2	86.9
.6	13.3	.6	2.1	.6	20.5	.6	47.8	.4	87.5
.8	13.0	.8	2.4	.8	20.9	.8	48.6	.6	88,2 88,8
56.	12.7	66.	2.7	76.	21.3	86.	49.3	96.	89.4
.2	12.4	.2	3.0	.2	21.7	.2	50.2	.2	90.0
.4	12.1	.4	3.4	.4	22.1	.4	51.0	.4	90.5
.6	11.8	.6	3.7	.6	22.6	.6	51.9	,6	91.1
.8	11.5	.8	4.1	.8	23.0	.8	52.7	.8	91.6
57.	11.2	67.	4.4	77.	23.4	87.	53.6	97.	92.2
.2	10.9	.2	4.7	.2	23.9	.2	54.5	.2	92.7
•4	10.6	.4	5.1	.4	24.3	.4	55.5	.4	93.3
.6	10.3	.6	5.4	.6	24.8	.6	56.4	.6	93.8
8	10.0	.8	5.8	.8	25.2	.8	57.4	.8	94.4
58.	9.7	68.	6.1	78.	25.7	88.	58.3	98.	94.9
.2	9.4	.2	6.4	.2	26.2	.2	59.2	.2	95.4
.4	9.1 8.9	•4	6.8	•4	26.7	.4	60.2	.4	95, 9
.6	8.6	.6	7.1	.6	27.1	.6	61.1	.6	96.5
	8.3	.8	7.5	.8	27.6	8.	62.1	.8	97.0
59.	8.0	69.	7.8	79.	28.1	89.	63.0	99.	97.5
.4	7.7	.2	8.2	.2	28.6	.2	63.9	.2	98.0
.6	7.4	.6	8.9	•4	29.1	.4	64.8	.4	98.5
.8	7.1	.8	9.2	.6	29.6	.6	65.7	0.	98.9
60.	6.8	70.	9.6	80.	30.6		66.6	.8	99.4
				30.	30.0	90.	67.5	100.	99.9

## TEMPERATURE 35°.

Wts. &	D	3374 0	70	TTT. 0	- 1				
Divs.	Per	Wts. &	Per	Wts. &		Wts. &	Per	Wts. &	Per
	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
on	over	on	over	on	over	on	over	on	over
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
0.		10.	64.2	20.	55.1	30.	44.9	40.	33.5
.2		.2	64.0	.2	54.9	.2	44.7	.2	33.3
•4		.4	63.9	•4	54.7	.4	44.5	.4	33.0
.6		.6	63.7	.6	54.5	.6	44.3	.6	32.8
.8	_	.8	63.6	.8	54.3	.8	44.1	.8	32.5
I I.		II.	63.4	21.	54.1	31.	43.9	41.	32.3
.2		.2	63.2	.2	53.9	.2	43.7	.2	32.1
.4		.4	63.0	.4	53.7	.4	43.5	.4	31.8
.6		.6	62.9	.6	53.6	.6	43.2	.6	31.6
.8		.8	62.7	.8	53.4	.8	43.0	.8	31.3
2.		12.	62.5	22.	53.2	32.	42.8	42.	31.1
.2		.2	62.3	.2	53.0	.2	42.6	.2	30.9
.4		.4	62.1	.4	52.8	.4	42.4	.4	30.6
.6		.6	62.0	.6	52.6	.6	42.1	.6	30.4
.8		.8	61.8	.8	52.4	.8	41.9	.8	30.1
3.		13.	61.6	23.	52.2	33.	41.7		29.9
.2	70.0	.2	61.4	.2	52.0	.2	41.5	43.	29.6
.4	69.8	.4	61.2	.4	51.8	1	41.3	.2	29.4
.6	69.7	.6	61.1	.6	51.6	.6	41.0	•4	29.1
.8	69.5	.8	60.9	.8	51.4			.6	28.9
4.	69.3		60.7		51.2	.8	40.8	.8	
.2	69.1	14. .2		24.		34.	40.6	41.	28.6
	69.0		60.5	.2	51.0	.2	40.4	.2	28.3
.6	68.8	•4	60.3	.4	50.8	•4	40.1	•4	28.1
.8		.6	60.2	.6	50.6	.6	39.9	.6	27.8
	68.7	.8	60.0	.8	50.4	.8	39.6	.8	27.6
5.	68.5	15.	59.8	25.	50.2	35.	39.4	45.	27.3
,2	68.3	,2	59.6	.2	50.0	.2	39.2	.2	27.0
•4	68.2	.4	59.4	•4	49.8	.4	38.9	•4	26.8
.6	68.0	.6	59.3	.6	49.6	.6	38.7	.6	26.5
.8	67.9	.8	59.1	.8	49.4	.8	38.4	.8	26.3
6.	67.7	16.	58.9	26.	49.2	36.	38.2	46.	26.0
,2	67.5	.2	58.7	.2	49.0	.2	38.0	.2	25.7
•4	67.3	•4	58.5	•4	48.8	-4	37.8	-4	25, 5
.6	67.2	.6	58.4	.6	48.5	.6	37.5	.6	25,2
.8	67.0	.8	58.2	.8	48.3	.8	37.3	.8	25.0
7.	66.8	17.	58.0	27.	48.1	37.	37.1	47.	24.7
.2	66.6	.2	57.8	.2	47.9	.2	36.9	.2	24.4
-4	66.5	.4	57.6	.4	47.7	.4	36.6	-4	24.2
.6	66.3	.6	57.4	.6	47.5	.6	36.4	.6	23.9
.8	66.2	.8	57.2	.8	47.3	.8	36.1	.8	23.7
8.	66.0	18.	57.0	28.	47.1	38.	36,0	48.	23.4
.2	65.8	.2	56.8	.2	46.9	.2	35.7	.2	23.1
.4	65.6	.4	56.6	.4	46.7	•4	35.4	.4	22.9
.6	65.5	.6	56.5	.6	46.4	.6	35,2	.6	22.6
.8	65.3	.8	56.3	.8	46.2	.8	34.9	.8	22.4
9.	65.1	19.	56.1	29.	46.0	39.	34.7	49.	22.1
.2	64.9	.2	55.9	.2	45.8	.2	34.5	.2	21.8
.4	64.7	.4	55.7	.4	45.6	.4	34.2	-4	21.5
.6	64.6	.6	55.5	.6	45.3	.6	33.0	.6	21.3
.8	64.4	.8	55.3	.8	45.1	.8	33.8	.s	21.0
10.	64.2	20.	55.1	30.	44.9	40.	33.5	50.	20.7
				3.		401	00.0	3.	
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### TEMPERATURE 35°.

Wts. & Per Divs.	
Divs. on Stem.         Cent. on Over Stem.         Divs. over Stem.         Divs. on Over Stem.	
on Stem.         over Proof.         on Stem.         on Stem.         under Proof.         on Stem.         on Stem. </td <td>16.</td>	16.
Stem.         Proof.         Stem.         Go.         67.         68.         68.         68.         68.         68.         68.         69.         67.         69.         67.         69.         67.         67.         67.         67. <t< td=""><td>or</td></t<>	or
50.         20.7         60.         6.4         70.         10.0         80.         30.9         90.         67.           .2         20.4         .2         6.1         .2         10.4         .2         31.4         .2         68.           .4         20.2         .4         5.8         .4         10.7         .4         31.9         .4         69.           .6         19.9         .6         5.5         .6         11.1         .6         32.5         .6         70.           .8         19.7         .8         5.2         .8         11.4         .8         33.0         .8         71.           51.         19.4         61.         4.9         71.         11.8         81.         33.5         91.         71.           1.1         18.8         .4         4.3         .4         12.2         .2         34.1         .2         72.           .4         18.6         .6         4.0         .6         12.9         .6         35.2         .6         74.           .8         18.3         .8         3.7         .8         13.2         .8         35.7         .8         75.	
$ \begin{bmatrix} \begin{array}{ccccccccccccccccccccccccccccccccccc$	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	7
$ \begin{bmatrix} .4 & 20.2 & .4 & 5.8 & .4 & 10.7 & .4 & 31.9 & .4 & 69. \\ .6 & 19.9 & .6 & 5.5 & .8 & 11.1 & .6 & 32.5 & .6 & 70. \\ .8 & 19.7 & .8 & 5.2 & .8 & 11.4 & .8 & 33.0 & .8 & 71. \\ 51. & 19.4 & 61. & 4.9 & 71. & 11.8 & 81. & 33.5 & 91. & 71. \\ .2 & 19.1 & .2 & 4.6 & .2 & 12.2 & .2 & 34.1 & .2 & 72. \\ .4 & 18.8 & .4 & 4.3 & .4 & 12.5 & .4 & 34.6 & .4 & 73. \\ .6 & 18.6 & .6 & 4.0 & .6 & 12.9 & .6 & 35.2 & .6 & 74. \\ .8 & 18.3 & .8 & 3.7 & .8 & 13.2 & .8 & 35.7 & .8 & 75. \\ 52. & 18.0 & 62. & 3.4 & 72. & 13.6 & 82. & 36.3 & 92. & 75. \\ .2 & 17.7 & .2 & 3.1 & .2 & 14.0 & .2 & 36.9 & .2 & 76. \\ .4 & 17.4 & .4 & 2.8 & .4 & 14.4 & .4 & 37.5 & .4 & 77. \\ .6 & 17.2 & .6 & 2.5 & .6 & 14.7 & .6 & 38.0 & .6 & 78. \\ .8 & 16.9 & .8 & 2.2 & .8 & 15.1 & .8 & 38.6 & .8 & 78. \\ \hline \end{tabular} $	
$ \begin{bmatrix} .6 & 19.9 & .6 & 5.5 & .6 & 11.1 & .6 & 32.5 & .6 & 70. \\ .8 & 19.7 & .8 & 5.2 & .8 & 11.4 & .8 & 33.0 & .8 & 71. \\ 51. & 19.4 & 61. & 4.9 & 71. & 11.8 & 81. & 33.5 & 91. & 71. \\ .2 & 19.1 & .2 & 4.6 & .2 & 12.2 & .2 & 34.1 & .2 & 72. \\ .4 & 18.8 & .4 & 4.3 & .4 & 12.5 & .4 & 34.6 & .4 & 73. \\ .6 & 18.6 & .6 & 4.0 & .6 & 12.9 & .6 & 35.2 & .6 & 74. \\ .8 & 18.3 & .8 & 3.7 & .8 & 13.2 & .8 & 35.7 & .8 & 75. \\ 52. & 18.0 & 62. & 3.4 & 72. & 13.6 & 82. & 36.3 & 92. & 75. \\ .2 & 17.7 & .2 & 3.1 & .2 & 14.0 & .2 & 36.9 & .2 & 76. \\ .4 & 17.4 & .4 & 2.8 & .4 & 14.4 & .4 & 37.5 & .4 & 77. \\ .6 & 17.2 & .6 & 2.5 & .6 & 14.7 & .6 & 38.0 & .6 & 78. \\ .8 & 16.9 & .8 & 2.2 & .8 & 15.1 & .8 & 38.6 & .8 & 78. \\ \hline \end{tabular} $	3
$ \begin{bmatrix} 51. & 19.4 & 61. & 4.9 & 71. & 11.8 & 81. & 33.5 & 91. & 72. \\ .2 & 19.1 & .2 & 4.6 & .2 & 12.2 & .2 & 34.1 & .2 & 72. \\ .4 & 18.8 & .4 & 4.3 & .4 & 12.5 & .4 & 34.6 & .4 & 73. \\ .6 & 18.6 & .6 & 4.0 & .6 & 12.9 & .6 & 35.2 & .6 & 74. \\ .8 & 18.3 & .8 & 3.7 & .8 & 13.2 & .8 & 35.7 & .8 & 75. \\ 52. & 18.0 & 62. & 3.4 & 72. & 13.6 & 82. & 36.3 & 92. & 75. \\ .2 & 17.7 & .2 & 3.1 & .2 & 14.0 & .2 & 36.9 & .2 & 76. \\ .4 & 17.4 & .4 & 2.8 & .4 & 14.4 & .4 & 37.5 & .4 & 77. \\ .6 & 17.2 & .6 & 2.5 & .6 & 14.7 & .6 & 38.0 & .6 & 78. \\ .8 & 16.9 & .8 & 2.2 & .8 & 15.1 & .8 & 38.6 & .8 & 78. \\ \hline \end{tabular} $	$2 \mid$
$ \begin{bmatrix}                                   $	
$ \begin{bmatrix} .4 & 18.8 & .4 & 4.3 & .4 & 12.5 & .4 & 34.6 & .4 & 73. \\ .6 & 18.6 & .6 & 4.0 & .6 & 12.9 & .6 & 35.2 & .6 & 74. \\ .8 & 18.3 & .8 & 3.7 & .8 & 13.2 & .8 & 35.7 & .8 & 75. \\ 52. & 18.0 & 62. & 3.4 & 72. & 13.6 & 82. & 36.3 & 92. & 75. \\ .2 & 17.7 & .2 & 3.1 & .2 & 14.0 & .2 & 36.9 & .2 & 76. \\ .4 & 17.4 & .4 & 2.8 & .4 & 14.4 & .4 & 37.5 & .4 & 77. \\ .6 & 17.2 & .6 & 2.5 & .6 & 14.7 & .6 & 38.0 & .6 & 78. \\ .8 & 16.9 & .8 & 2.2 & .8 & 15.1 & .8 & 38.6 & .8 & 78. \\ \end{bmatrix} $	8
$ \begin{bmatrix} .6 & 18.6 & .6 & 4.0 \\ .8 & 18.3 & .8 & 3.7 \\ 52. & 18.0 & 62. & 3.4 \\ .2 & 17.7 & .2 & 3.1 \\ .6 & 17.2 & .6 & 2.5 \\ .8 & 16.9 & .8 & 2.2 \\ \end{bmatrix} \begin{bmatrix} .6 & 12.9 & .6 & 35.2 \\ .8 & 13.2 & .8 & 35.7 \\ .8 & 13.2 & .8 & 35.7 \\ .8 & 13.2 & .8 & 36.3 \\ .2 & 14.0 & .2 & 36.9 \\ .2 & 36.9 & .2 & 76. \\ .4 & 14.4 & .4 & 37.5 \\ .6 & 14.7 & .6 & 38.0 \\ .8 & 38.6 & .8 & 78. \\ \end{bmatrix} $	
$ \begin{bmatrix} .8 & 18.3 & .8 & 3.7 & .8 & 13.2 \\ 52. & 18.0 & 62. & 3.4 & 72. & 13.6 \\ .2 & 17.7 & .2 & 3.1 & .2 & 14.0 & .2 & 36.9 \\ .4 & 17.4 & .4 & 2.8 & .4 & 14.4 & .4 & 37.5 \\ .6 & 17.2 & .6 & 2.5 & .6 & 14.7 & .6 & 38.0 & .6 \\ .8 & 16.9 & .8 & 2.2 & .8 & 15.1 & .8 & 38.6 & .8 & 78.                             $	
$ \begin{bmatrix} 52. & 18.0 & 62. & 3.4 & 72. & 13.6 & 82. & 36.3 & 92. & 75. \\ .2 & 17.7 & .2 & 3.1 & .2 & 14.0 & .2 & 36.9 & .2 & 76. \\ .4 & 17.4 & .4 & 2.8 & .4 & 14.4 & .4 & 37.5 & .4 & 77. \\ .6 & 17.2 & .6 & 2.5 & .6 & 14.7 & .6 & 38.0 & .6 & 78. \\ .8 & 16.9 & .8 & 2.2 & .8 & 15.1 & .8 & 38.6 & .8 & 78. \\ \end{bmatrix} $	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	
.6     17.2     .6     2.5     .6     14.7     .6     38.0     .6     78.       .8     16.9     .8     2.2     .8     15.1     .8     38.6     .8     78.	
8 16.9 8 2.2 8 15.1 8 38.6 8 78.	1
	9
<b>53.</b>   16.6   63.   1.9   73.   15.5   83.   39.2   93.   79.	
.2   16.3   .2   1.6   .2   15.9   .2   39.8   .2   80.	
.4   16.0   .4   1.3   .4   16.3   .4   40.4   .4   81.	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	7
1 1 1 2 6 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	
8 14.1 8 1.1 8 19.1 8 45.2 8 85.	
1 55.   13.8   65.   1.4   75.   19.5   85.   45.9   95.   86.	
.2   13.5   .2   1.7   .2   19.9   .2   46.6   .2   86.	
.4   13.2   .4   2.0   .4   20.4   .4   47.4   .4   87.	5
.6   13.0   .6   2.4   .6   20.8   .6   48.1   .6   88.	2
8 12.7 8 2.7 8 21.3 8 48.9 88.	3
56. 12.4 66. 3.0 76. 21.7 86. 49.6 96. 89. .2 12.1 .2 3.3 .2 22.1 .2 50.5 .2 90.	
110	
$egin{array}{ c c c c c c c c c c c c c c c c c c c$	
8 11.2 8 4.4 8 23.4 8 53.1 8 91.	
57. 10.9 67. 4.7 77. 23.8 87. 54.0 97. 92.	
.2   10.6     .2   5.0     .2   24.2     .2   54.9     .2   92.	
4 10.3 4 5.4 4 24.7 4 55.8 4 93.3	}
	3
8 9.7 8 6.1 8 25.6 8 57.7 8 94.	
55. 9.4 08. 08. 26.0 88. 58.6 98. 94.	
$egin{bmatrix} egin{array}{ c c c c c c c c c c c c c c c c c c c$	
$\begin{bmatrix} .8 & 8.2 & .8 & 7.8 & .8 & 27.9 & .8 & 62.4 & .8 & 97.6 \\ 59 & 7.9 & 69. & 8.1 & 79. & 28.4 & 89. & 63.3 & 99. & 97.6 \end{bmatrix}$	
.2 7.6 .2 8.5 .2 28.9 .2 64.2 .2 98.0	
.4 7.3 .4 8.9 .4 29.4 .4 65.1 .4 98.	
$oxed{ \begin{array}{c c c c c c c c c c c c c c c c c c c $	
.8   6.7   .8   9.6   .8   30.4   .8   66.8   .8   99.	
60. 6.4 70. 10.0 80. 30.9 90. 67.7 100. 99.	)
	- 11

## TEMPERATURE 36°.

-										
ı	Wts. &	D	Wts. &	D	Wts. &	Per	Wts. &	Per	Wts. &	D
ı							Divs.			
ı	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	on	Cent.	Divs.	Cent.
ı	on	over	On	over	on		Stem.		on	over
ı	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stein.	Proof.	Stem.	Proof.
ı				C4 0		54.8	20	44.6	40	33.2
ı	0.		10.	64.0	20.		30.	44.4	40.	
ı	.2	_	.2	63.8	.2	54.6 54.4	.2	44.2	.2	33.0 32.7
I	•4	_	.4	63.6	.4	54.3	•4	44.0	.4	32.5
ı	.6	_	.6 .8	63.5	.6		.6	43.8	.6	32.3
ı	.8		5	63.3	.8	54.1	.8	43.6	1 1	32.0
Į	I.	_	II.	63.1	21.	53.9	31.	43.4	41.	31.8
i	.2	-	.2	62.9	.2	53.7	.2	43.2	.2	31.5
I	•4	-	.4	62.7	•4	53.5	•4	42.9	•4	31.3
ľ	.6	-	.6	62.6	.6	53.3	.6		.6	31.0
	.8		.8	62.4	.8	53.1	.8	42.7	.8	30.8
	2.	_	I 2.	62.2	22.	52.9	32.	42.5	42.	30.6
	.2		.2	62.0	.2	52.7	.2	42.3	.2	30.3
	-4	_	.4	61.9	•4	52.5	•4	42.1	•4	
	.6		.6	61.7	.6	52.3	.6	41.8	.6	30.1 29.8
I	.8		.8	61.6	.8	52.1	.8	41.6	.8	
	3.	70.0	13.	61.4	23.	51.9	33-	41.4	43.	29.6
	.2	69.8	.2	61.2	.2	51.7	.2	41.2	.2	29.3
ı	-4	69.6	.4	61.0	.4	51.5	•4	41.0	•4	29.1
ı	.6	69.5	.6	60.9	.6	51.4	.6	40.7	.6	28.8
ı	.8	69.3	.8	60.7	.8	51.2	.8	40.5	.8	28.6
ı	4.	69.1	14.	60.5	24.	51.0	34	40.3	44.	28.3
i	.2	68.9	.2	60.3	.2	50.8	.2	40.1	.2	28.0
ı	.4	68.8	.4	60.1	.4	50.6	-4	39.8	•4	27.8
l	.6	68.6	.6	60.0	.6	50.4	.6	39.6	.6	27.5
ı	.8	68.5	.8	59.8	.8	50.2	.8	39.3	.8	27.3
ı	5.	68.3	15.	59.6	25.	50.0	35.	39.1	45.	27.0
ı	.2	68.1	2	59.4	.2	49.8	.2	38.9	.2	26.7
l	.4	67.9	.4	59.2	.4	49.6	.4	38.7	•4	26.5
l	.6	67.8	6	59.0	.6	49.4	.6	38.4	.6	26.2
I	.8	67.6	8	58.8	.8	49.2	.8	38.2	.8	26.0
I	6.	67.4	16.	58.6	26.	49.0	36.	38.0	46.	25.7
		67.2	2	58.4	.2	48.8	.2	37.8	.2	25.4
ŀ	.2	67.1	.4	58.2	.4	48.6	.4	37.5	•4	25.2
1	•4	66.9	.6	58.1	.6	48 3	.6	37.3	.6	24.9
	.6 .8	66.8	.8	57.9	.8	48.1	.8	37.0	.8	24.7
		66.6		57.7	27.	47.9	37.	36.8	47.	24.4
1	7.	66.4	17.	57.5	.2	47.7	.2	36.6	.2	24.1
	.2		.4	57.3	.4	47.5	.4	36.3	.4	23.9
	.4	66.2	6	57.2	.6	47.2	.6	36.1	.6	23.6
	.6	66.1	.8	57.0	.8	47.0	.8	35.8	.8	23.4
	.8	65.9	70	56.8	28.	46.8	38.	35.7	48.	23.1
	8.	65.7	18.	56.6	.2	46.6	.2	35.4	.2	22.8
I	.2	65.5	.2	56.4		46.4	.4	35.1	.4	22.5
1	•4	65.4	.4 .6	56.2	.6	46.1	.6	34.9	.6	22.3
١	.6	65.2	.8		.8	45.9	.8	34.6	.8	22.0
I	.8	65.1		56.0		45.7	39.	34.4	49-	21.7
1	9.	64.9	19.	55.8	29.	45.5	.2	34.2	.2	21.4
۱	.2	64.7	.2	55.6	.2	45.3	11	33.9	.4	21.2
١	•4	64.5	.4	55.4	•4		.4	33.7	.6	20.9
I	.6	64.4	.6	55.2	.6	45.0 44.8	.8	33.4	.8	20.7
۱	.8	64.2	.8	55.0	.8		11	33.2	50.	20.4
I	10.	64.0	20.	54.8	30.	44.6	40.	00.2	3-	
					1	1	1			

### TEMPERATURE 36°.

1	Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. 8	Per
1	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
ı	on	over	on	over	on	under	on	under	on	under
1	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
1	50.	20.4	60.	6.1	70.	10.3	80.	31.3	90.	67.9
	.2	20.1	,2	5.8	.2	10.7	.2	31.8	.2	68.7
1	.6	19.9 19.6	•4 •6	5.5 5.2	.6	11.0	.4	32.3	•4	69.5 70.4
1	.8	19.4	.8	4.9	.8	11.7	.8	33.3	.6	70.4
ı	51.	19.1	61.	4.6	71.	12.1	81.	33.8	91.	72.0
1	,2	18.8	.2	4.3	.2	12.5	.2	34.4	.2	72.8
1	.4	18.5	•4	4.0	.4	12.9	.4	34.9	•4	73.6
ı	.6	18.3	.6	3.7	.6	13.2	.6	35.5	.6	74.4
1	52.	18.0 17.7	62.	$\frac{3.4}{3.1}$	.8	13.6 14.0	82.	36.0 36.6	.8	75.2
1	.2	17.4	.2	2.8	72.	14.4	.2	37.2	92.	76.0 76.7
1	.4	17.1	.4	2.5	.4	14.8	.4	37.8	.4	77.5
1	.6	16.9	.6	2.1	.6	15.1	.6	38.3	.6	78.2
Н	.8	16.6	.8	1.8	.8	15.5	.8	38.9	.8	79.0
	53.	16.3 16.0	63.	$\begin{array}{c c} 1.5 \\ 1.2 \end{array}$	73.	15.9	83.	$\begin{bmatrix} 39.5 \\ 46.1 \end{bmatrix}$	93.	79.7
Н	.4	15.7	.2	.9	.2	16.3 16.7	.2	40.1 40.8	.2	80.4
П	.6	15.5	.6	.5	.6	17.0	.6	41.4	.6	81.1
Н	.8	15.2	.8	.2	.8	17.4	.8	42.1	.8	82.4
	54-	14.9	64.	.1	74.	17.8	84.	42.7	94.	83.1
H	.2	14.6	.2	.4	.2	18.2	.2	43.4	.2	83.7
1	.6	14.3 14.1	•4	.7	•4	18.6	.4	44.1	-4	84.4
Н	.8	13.8	.6	1.1 1.4	.6 .8	19.1 - 19.5	.6	44.9	.6	85.0
П	55.	13.5	65.	1.7	75.	19.9	.8 85.	45,6 46.3	.8	85.7 86.3
Н	.2	13.2	.2	2.0	.2	20.3	.2	47.0	95. .2	86.9
П	•4	12.9	.4	2.3	.4	20.7	.4	47.8	•4	87.5
Н		12.6 12.3	.6	2.7	.6	21.2	.6	48.5	.6	88.2
П		12.0	.8	3.0 3.3	.8	21.6	.8	49.3	.8	88.8
Ш	.2	11.7	.2	3.6	76.	22.0 22.4	86.	50.0	96.	89.4
	.4	11.4	.4	4.0	.4	22.8	.2	50.9 51.8	.2	90.0
H	.6	11.2	.6	4.3	.6	[23, 3]	.6	52.6	.6	91.1
		10.9	.8	4.7	.8	$23.7 \parallel$	.8	53.5	.8	91.6
		10.6	67.	5.0	77.	24.1	87.	54.4	97.	92.2
		10.0	.2	5.4 5.7	.2	24.6    25.0	.2	55.3	.2	92.7
	.6	9.7	.6	6.1	.6	25.5	.6	56.2 57.2	.6	93.3
	.8	9.4	.8	6.4	.8	25.9	.8	58.1	.8	93.8 94.4
	58.	9.1	68.	6.8	78.	26,4	88.	59.0	98.	94.9
	.2	8.8	.2	7.1	.2	26.9	.2	59,9	.2	95,4
	.6	8.2	.6	7.5	.6	27.4	.4	$\frac{60.8}{61.7}$	.4	95.9
	.8	7.9	.8	8.2	.8	27.8 28.3	.6	$\begin{array}{c c}61.7\\62.6\end{array}\parallel$	.6	96.4
	59-	7.6	69.	8.5	79.	28.8	89.	63.5		96.9 97.4
	.2	7.3	.2	8.9	.2	29.3	.2	64.4		97.9
	.6	7.0 6.7	•4	9.2		29.8	.4	65.3		98.4
	.8	6,4	.6	9.6		30.3		66.1	.6	98.9
	60.	6.1				30.8 31.3		67.0		99.4
L		il				01.0	90.	67.9	100,	99.9
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### TEMPERATURE 37°.

		1		1				le .	
Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
on	over	on on	over	on	over	on	over	on	over
Stem.	Proof.	Stem.	Proof.		Proof.	Stem.	Proof.	Stem.	
DUCHI.	11001.								
0.		10.	63.7	20.	54.6	30.	44.4	40.	33.0
.2		.2	63.5	.2	54.4	.2	44.2	.2	32.7
.4		-4	63.4	•4	54.2	•4	44.0	.4	32,5
.6		.6	63.2	.6	54.1	.6	43.7	.6	32.2
.8		.8	63.1	.8	53.9	8	43.5	.8	32.0
ı.		11.	62.9	21.	53.7	31.	43.3	41.	31.7
.2		.2	62.7	.2	53.5	.2	43.1 42.9	.2	31.5 31.2
•4		•4	62.5	•4	53.3	1 .4	42.6	·4 .6	31.0
,6	_	.6	62.4	.6	53.1 52.9	.6	42.4	.8	30.7
.8	_	.8	$\begin{array}{c c} 62.2 \\ 62.0 \end{array}$	1	52.5	32.	42.2	42.	30.5
2.		12.	61.8	.2	52.7	.2	42.0	.2	30.3
.2		.2	61.6	.4	52.3	.4	41.8	.4	30.0
.6	70.0	.6	61.5	.6	52.1	.6	41.5	.6	29.8
.8	69.9	.8	61.3	.8	51.9	.8	41.3	.8	29.5
3.	69.7	13.	61.1	23.	51.7	33.	41.1	43.	29.3
3.2	69.5	.2	60.9	.2	51.5	.2	40.9	.2	29.0
.4	69.4	•4	60.7	.4	51.3	.4	40.7	.4	28.8
.6	69.2	.6	60.6	.6	51.1	.6	40.4	.6	28.5
.8	69.1	.8	60.4	.8	50.9	.8	40.2	.8	28.3
4.	68 9	14.	60.2	24.	50.7	34	40.0	44.	28.0
.2	68.7	.2	60.0	.2	50.5	.2	39.8	.2	27.7 27.5
.4	68.6	•4	59.8	.4	50.3	1 .4	39.5	.6	$\begin{bmatrix} 27.3 \\ 27.2 \end{bmatrix}$
.6	68.4	.6	59.7	.6	50.1	1.6	$\begin{vmatrix} 39.3 \\ 39.0 \end{vmatrix}$	.8	27.0
.8	68.3	.8	59.5	.8	49.9	.8	38.8	45.	$\frac{26.7}{26.7}$
5.	68.1	15.	59.3	25.	49.7	35.	38.6	.2	26.4
.2	67.9	.2	59.1	.2	49.3	.4	38.4	.4	26.2
•4	67.7	1 .4	58.9 58.8	.4	49.1	.6	38.1	.6	25.9
.6	67.6	6,6	58.6	.8	48.9	.8	37.9	.s	25.7
.8	67.4	16.	58.4	26.	48.7	36.	37.7	46.	25.4
6.	67.0	.2	58.2	.2	48.5	.2	37.5	.2	25.1
.2	66.8	.4	58.0	.4	48.3	.4	37.2	•4	24.9
.4	66.7	.6	57.8	.6	48.0	.6	37.0	.6	24.6
.8	66.5	.8	57.6	.8	47.8	.8	36.7	.8	24.4
7.	66.3	17.	57.4	27.	47.6	37.	36.5	47-	24.1
.2	66.1	.2	57.2	.2	47.4		36.3	.2	23.8
.4	66.0	.4	57.0	1 .4	47.2	1 .4	36.1		
.6	65.8	.6	56.9	.6	46.9	.6			23.3 23.1
.8			56.7	.8		.8			23.1
8.	65.5	18.	56.5	28.	46.5	38.	$\begin{array}{c} 35.4 \\ 35.2 \end{array}$	48.	22.5
.2	65.3	.2	56.3	.2	46.3	.2	1 04 0		22.2
.4	65.1	•4	56.1	1 .4	$\begin{array}{c} +46.1 \\ -45.9 \end{array}$	.6			
.6	65.0	.6	55.9	.6	$\frac{45.7}{45.7}$	.8			21.7
.8	64.8	.8	55.7	29.	45.5		34.2		21.4
9.	64.6	19.	55.5	.2	1		1 434 0		21.1
.2	64.4	.2	55.1	.4	1 4 20 3		AND PH	•4	20.9
.4	64.2	.6	55.0	.6		.6	33.5	.6	
.6	64.1 $63.9$		54.8	.8		.8			
	$\begin{array}{c} 63.5 \\ 63.7 \end{array}$		54.6	30.	44.4	40.	33.0	50.	20.1
10.	00.1	20.	10			1	-1-	H	
		10.							

### TEMPERATURE 37°.

ſ			11		A.	1	32		11	
	Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per
П	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
1	on	over	on	over	on	under		under		under
ı	Stem.	Proof.	Stem.	Proof.		Proof.		Proof.		Proof.
ı			-							
Ш	50.	20. t	60.	5.8	70.	10.6	80.	31.6	90.	68.1
1	.2	19.8	.2	5,5	.2	11.0	.2	32.1	.2	68.9
I	-4	19.6	.4	5.2	.4	11.3	•4	32.6	.4	69.7
1	.6	19.3	.6	4.9	,6	11.7	.6	33.2	.6	70.6
п	.8	19.1	.8	4.6	.8	12.0	8	33.7	.8	71.4
Ш	51.	18.8 18.5	61.	4.3 4.0	71.	12.4 12.8	81.	34.2	91.	$\begin{array}{c c} 72.2 \\ 73.0 \end{array}$
H	.2 .4	18.2	.2	3.7	.2	13,2	.2	35.3	.2	73.8
П	.6	18.0	.6	3.4	.4 .6	13.5	.6	35.9	.6	74.5
Ш	.8	17.7	.8	3.1	.8	13.9	.8	36.4	.8	75.3
П	52	17.4	62.	2.8	72.	14.3	82.	37.0	92.	76.1
	.2	17.1	.2	2.5	.2	147	.2	37.6	.2	76.8
	.4	16.8	.4	2.2	.4	15.1	.4	38.2	.4	77.5
	.6	16.6	.6	1.8	.6	15.4	.6	38.7	.6	78.3
	.8	16.3	.8	1.5	.8	15.8	.8	39.3	.8	79.0
H	53-	16.0	63.	1.2	73.	16.2	83.	39.9	93.	79.7
H	.2	15.7 15.4	.2	.9	,2	16.6	.2	40.5	.2	80.4
II	·4 .6	15.2	·4 .6	.6	.4	17.0	•4	41.1	•4	81.1
II	.8	14.9	.8		.6	17.4	.6	41.8	.6	81.8
Ш	- 1	14.6	64.	.1	.8	17.8	8.8	42.4	، 8	82.5
Ш	54.	14.3	.2	.7	74.	18.2 18.6	84.	43.0 43.7	94.	83.2
П	.4	14.0	.4	1.0	.4	19.0	.2	44.4	.2	83.8
Ш	.6	13.7	.6	1.4	.6	19.4	·4 .6	45.2	.6	84.5 85.1
П	.8	13.4	.8	1.7	.8	19.8	.8	45.9	.8	85.8
II.	55.	13.1	65.	2.0	75.	20 2	85.	46.6	95.	86.4
П	.2	12.8	.2	2.3	.2	20.6	.2	47.4	.2	87.0
I	•4	12.5	-4	2.6	.4	21.0	.4	48.1	.4	87.6
1	.6	12.3	.6	3.0	,6	21.5	.6	48.9	.6	88.2
ı	.8	12.0 11.7	.8	3.3	.8	21,9	.8	49.6	.8	88.8
	56	11.4	66.	3.6 3.9	76.	22.3 22.7	86.	50.4	96.	89.4
	.4	11.1	.2	4.3	.2	23.2	.2	51.3	.2	90.0
	.6	10.9	.6	4.6	.6	23.6	.6	52.1 53.0	•4	90.5
	.8	10.6	.8	5.0	.8	24.1	.8	53.8	.6	91.1 91.6
	57.	10.3	67.	5.3	77.	24.5	87.	54.7	97.	91.0
1	.2	10.0	.2	5.6	.2	25.0	.2	55.6	.2	92.7
	•4	9.7	-4	6.0	.4	25.4	•4	56.5	.4	93.3
	.6	9.4	.6	6.3	.6	25.9	.6	57.5	.6	93.8
	.8 58.	9.1	.8	6.7	.8	26.3	.8	58.4	.8	94.4
		8.8 8.5	68.	7.0	78.	26.8	88.	59.3	98.	94.9
	.2	8.2	.2	7.4 7.7	.2	27.3	.2	60.2	.2	95.4
	.6	7.9	.6	8.1	.6	27.7 28.2	.4	61.1	•4	95.9
	.8	7.6	.8	8.4	.8	28.6	.6	62.0 62.9	.6	96.4
	59.	7.3	69.	8.8	79.	29.1	89.	63.8	8.	96. <b>9</b> 97.4
	.2	7.0	.2	9.2	.2	29.6	.2	64.7	99.	97.9
	-4	6.7	-4	9.5	.4	30.1	.4	65.5	.4	98 4
	.6	6.4	.6	9.9	.6	30.6	.6	66.4	.6	98 9
	.8	6.1	.8	10.2	.8	31.1	.8	67.2	.8	99 4
	60.	5.8	70.	10.6	80.	31.6	90.	68.1	100.	99.9
-	'							- 11		

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#### TEMPERATURE 38°.

	_	7771 0	_	TYT, C	D	Wts. &	D	3374- P	Per
Wts. &		Wts. &		Wts. &				Wts. &	
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
on	over	on	over	on	over	on	over	on	over
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
0.	_	10.	63.5	20.	54.4	30.	44.2	40.	32.7
.2		.2	63.3	.2	54.2	.2	44.0	.2	32.4
.4		•4	63.2	.4	54.0	•4	43.8	•4	32.2
.6		.6	63.0	.6	53.8	.6	43.5	.6	31.9
.8		.8	62.9	.8	53.6	.8	43.3	.8	31.7
I.	_	II.	62.7	21.	53.4	31.	43.1	41.	31.4
	_	.2	62.5	.2	53.2	.2	42.9	.2	31.2
.2		.4	62.3	.4	53.0	•4	42.7	.4	30.9
•4		.6	62.2	.6	52.8	.6	42.4	.6	30.7
,6	-	.8		.8	52.6	.8	42.2	.8	30.4
.8	-	100	62,0				42.0	42.	30.2
2.		12.	61.8	22.	52.4	32.			30.0
.2	-1	.2	61.6	.2	52.2	.2	41.8	.2	29.7
.4	70.0	.4	61.4	•4	52.0	•4	41.6	•4	
.6	69.8	,6	61,3	.6	51.9	.6	41.3	.6	29.5 29.2
.8	69.7	.8	61.1	.8	51.7	.8	41.1	.8	
3.	69.5	13.	60.9	23.	51.5	33.	40.9	43.	29.0
.2	69.3	.2	60.7	.2	51.3	.2	40.7	.2	28.7
.4	69.2	.4	60.5	.4	51.1	.4	40.5	•4	28.5
.6	69.0	6	60.4	.6	50.9	.6	40.2	.6	28.2
.8	68.9	.6	60.2	.8	50.7	.8	40.0	.8	28.0
3			60.0	24.	50.5	34.	39.8	44.	27.8
4.	68.7	14.	59.8	.2	50.3	.2	39.6	.2	27.4
.2	68.5			.4	50.1	.4	39.3	•4	27.2
-4	68.3	1 .4	59.6	.6	49.8	.6	39.1	6.	26.9
.6	68.2	.6	59.5	.0		.8	38.8	.8	26.7
.8	68.0		59.3	.8	49.6		38.6		26.4
5.	67.8	15.	59.1	25.	49.4	35.		45.	26.1
.2	67.6	.2	58.9	.2	49.2	.2	38.4	11	25.9
.4	67.5	.4	58.7	•4	49.0	.4	38.1	1 .4	25.6
.6	67.3	,6	58.6	.6	48.8	.6	37.9	.6	
.8	67.2	.8	58.4	.8	48.6	.8	37.6	.8	25.4
6.	67.0	16.	58.2	26.	48.4	36.	37.4	46.	25.1
.2	66.8	2	58.0	.2	48.2	.c	37.2	.2	24.8
	66.6	4	57.8	.4	48.0	.4	36.9	•4	24.6
1 •4	66.5	6	57.6	.6	47.7	6.	36.7	.6	24.3
.6		is is	57.4	.8	47.5	.8	36.4	.8	24.1
.8	66.3		57.2		47.3	37-	36.2	47-	2 <b>3</b> .8
7.	66.1	17.		27.	47.1	.2	36.0	.2	23.5
.2	65.9	.2	57.0	.2	46.9	.4	35.8	•4	23.3
•4	65.8	.4	56.8	•4		.6	35.5	.6	23.0
.6	65.6	.6	56.7	.6	46.7	.8	35.3		22.8
.8	65.5	8	56.5	.8	46.5		1	48.	22.5
8.	65.3	18.	56.3	28.	46.3	38.	35.1	1 40.	22.2
.2	65.1	.2	56.1	.2	46.1	.2	34.9	14	22.0
.4	64.9	.4	55.9	•4	45.9	1 .4	34.6	•4	21.7
.6	64.8	.6	55.7	.6	45.6	.6	34.4	.6	21.5
.8	64.6	.8	55.5	.8	45.4	.8	34.1	.8	21.3
	64.4	19.	55.3	29.	45.2	39.	33.9	49.	
9.	64.2	19.	55.1	.2	45.0	.2	33.7	.2	20.9
.2		4	54.9	.4	44.8	.4	33.4	•4	20.6
1 .4	64.0		54.8	.6	44.6	.6	33.2	.6	20.4
.6	63.9	.6		.8	44.4	.8	32.9	.8	20.1
.8	63.7	11	54.6	11	44.2	40.	32.7	50.	19.8
10.	63.5	20.	54.4	30.	17.2		1		1
	1	(;			1				

#### TEMPERATURE 38°.

Г										
1		1	M			_		_	1	
ı	Wts. &		Wts. &		Wts. &	Per	Wts. &		W ts. &	Per
1	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.		Cent.	Divs.	Cent.
ı	on	over	on	over	on	under		under	on	under
ı	Stem.	Proof.		Proof.	Stem.	Proof.	Stem.		Stem.	Proof.
ı	~									2 2 001.
Н	50.	19.8	60.	5.5	70.	10.9	So.	32.0	90.	68.3
П		19.5		5.2		11.3		32.5		
п	.2	19.0	.2	ند.ن	.2	11.0	.2	02.0	.2	69.1
ш	•4	19.3	·4 .6	4.9	.4	11.6	•4	33.0	.4	69.9
H	.6	19.0	.6	4.6	.6	12.0	.6	33.5	.6	70.7
ı	.8	18.8	.8	4.3	.8	12.3	.8	34.0	.8	71.5
Н	51.	18.5	61.	4.0	71.	12.7	81.	34.5	91.	72.3
H	.2	18.2	.2	3.7	.2	13.1	.2	35.1	.2	73.1
Н	•4	17.9	-4	3.4	•4	13.5	.4	35.7	.4	73.9
ı	.6	17.7	.6	3.1	.6	13.8	.6	36.2	.6	74.6
1	.8	17.4	.8	2.8	.8	14.2	.8	36.8		75.4
Н		17.1		2.0		14.4	0.0		.8	75.4
Ш	52.	17.1	62.	2.0	72.	14.6	82.	37.4	92.	76.2
	.2	16.8	.2	2.2	.2	15.0	.2	38.0	.2	76.9
	-4	16.5	.4	1.9	.4	15.4	•4	38.6	•4	77.6
	.6	16.3	·4 .6	2.5 2.2 1.9 1.5	.6	15.7	.6	39.1	.6	78.4
Ш	.8	16.0	.8	1.2	.8	16.1	.8	39.7	.8	79.1
Н	53.	15.7	63.	9	73.	16.5	83.	40.3	93.	79.8
Н	.2	15.4	.2	.9 .6	.2	16.9	.2	40.9	.2	80.5
Н		15.1		.0		17.9				
П	•4		•4	.1 .5 .8 1.1 1.4	•4	17.3	•4	41.5	•4	81.2
Ш	.6	14.9	.6	.1	.6	17.7	.6	42.2	.6	81.8
Н	.8	14.6	.8	.5	.8	18.1	.8	42.8	.8	82.5
П	54.	14.3	64.	.8	74.	18.5	84.	43.4	94.	83.2
Ш	.2	14.0	.2	1.1	.2	18.9	.2	44.1	.2	83.8
П	•4	13.7	.4	1.4	.4	19.3	.4	44.8	•4	84.5
Ш	.6	13.4	.6	1.8	.6	19.8	.6	45.6		07.0
П	.8	13.1	.8	2.1		90.0			.6	85.1
Ш		12.8	6.0	2.1	.8	20.2	.8	46.3	.8	85.8
П	55-	12.8	65.	2.4	75.	20.6	85.	47.0	95.	86.4
Н	.2	12.5	.2	2.7	.2	21.0	.2	47.8	.2	87.0
П	.4	12.2	•4	3.0	•4	21.4	•4	48.6	.4	87.6
Н	.6	12.0	.6	3.4	.6	21.9	.6	49.3	.6	88.2
ı	.s	11.7	.8	3.7	.8	22.3	.8	50.1	.8	88.8
Н	56.	11.4	66.	4.0	76.	22.7	86.	50.9	96.	89.4
ı	.2	11.1	.2	4.3	.2	23.1	.2	51.7		00.4
П	.4	10.8		4.7		23.5		50.0	.2	90.0
	.6	10.5	.4	5.0	.4	20.0	•4	52.6	.4	90.5
1	.8		.6		.6	24.0	.6	53.4	.6	91.1
		10.2	.8	5.4	.8	24.4	.8	54.3	.8	91.6
	57.	9.9	67.	5.7	77.	24.8	87.	55.1	97.	92.2 92.7
	.2	9.6	.2	6.0	.2	25.3	.2	56.0	.2	92.7
ı	•4	9.3	.4	6.4	•4	25.7	.4	56.9	.4	93.3
1	.6	9.1	.4	6.7	.6	26.2	.6	57.8	.6	93.8
1	.8	8.8	.8	7.1	.8	26.6	.8	58.7	.8	94.4
1	58.	8.5	68.	7.4	78.	27.1	88.	59.6		
	.2	8.2	.2	7.7		27.6			98.	94.9
	.4	7.9		8.1	.2		.2	60.5	.2	95.4
	.6	7.6	.4	0.1	•4	28.1	•4	61.4	•4	95.9
	.8	7.0	.6	8.4	.6	28.5		62.2	.6	96.4
		7.3	.8	8.8	.8	29.0		63.1	.8	96.9
	59.	7.0	69.	9.1	79.	29.5	89.	64.0	99.	97.4
	.2	6.7	.2	$9.5 \parallel$	.2	30.0		64.9	.2	97.9
	•4	6.4	.4	9.8	.4	30.5		65.7		98.4
	.6	6.1		10.2	.6	31.0		66.6		98.8
	.8	5.8		10.5	.8	31.5		67.4		
1	60.	5.5		10.9	80.	32.0		000		00 3
					30.	- La C	90.	68.3	100.	99.8
_										
						_				-

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#### TEMPERATURE 39°.

3374 0	т.	3371 0	-	3371 0	_	777. 4	70	777	_
Wts. &	Per	Wts. &		Wts. &		Wts. &		Wts. &	
Divs.	Cent.								
on	over								
Stem.	Proof.								
			00.0		54.3		40.0		20.4
Ο.		10.	63.3	20.	54.1	30.	43.9	40.	32.4
.2		.2	63.1	.2	53.9	.2	43.7	.2	32.1
•4		•4	63.0	•4	53.7	.4	43.5	•4	31.9
.6		.6	62.8	.6	53.5	.6	43.2	.6	31.6
.8	-	.8	62.7	.8	53.3	.8	43.0	.8	31.4
1.		11.	62.5	21.	53.1	31.	42.8	41.	31.1
.2	_	.2	62.3	.2	52.9	.2	42.6	.2	30.9
•4	-	•4	62.1	.4	52.7	•4	42.4	•4	30.6
.6	_	.6	62.0	.6	52.6	.6	42.1	.6	30.4
.8		.8	61.8	.8	52.4	.8	41.9	.8	30.1
2.	_	12.	61.6	22.	52.2	32.	41.7	42.	29.9
,2	69.9	.2	61.4	.2	52.0	.2	41.5	.2	29.7
•4	69.8	•4	61.2	.4	51.8	•4	41.3	•4	29.4
.6	69.6	.6	61.1	.6	51.6	.6	41.0	.6	29.2
.8	69.4	.8	60.9	.8	51.4	.8	40.8	.8	28.9
3.	69.3	13.	60.7	23.	51.2	33.	40.6	43.	28.7
.2	69.1	.2	60.5	.2	51.0	.2	40.4	.2	28.4
.4	69.0	.4	60.3	-4	50.8	•4	40.2	-4	28.2
.6	68.8	.6	60.2	.6	50.6	.6	39, 9	.6	27.9
.8	68.7	.8	60.0	.8	50.4	.8	39.7	.8	27.7
4.	68.5	14.	59.8	24.	50.2	34.	39.5	44.	27.4
.2	68.3	.2	59.6	.2	50.0	.2	39.3	.2	27.1
.4	68.1	.4	59.4	.4	49.8	.4	39.0	•4	26.9
6.	68.0	.6	59.3	.6	49.6	.6	38.8	.6	26.6
.8	67.8	.8	59.1	.8	49.4	.8	38.5	.8	26.4
5.	67.6	15.	58.9	25.	49.2	35.	38.3	45.	26.1
.2	67.4	.2	58.7	.2	49.0	.2	38.1	.2	25.8
.4	67.3	-4	58.5	.4	48.8	.4	37.8	-4	25.6
.6	67.1	.6	58.3	.6	48.5	.6	37.6	.6	25.3
.8	67.0	.8	58.1	.8	48.3	.8	37.3	.8	25.1
6.	66.8	16.	57.9	26.	48.1	36.	37.1	46.	24.8
.2	66.6	.2	57.7	.2	47.9	.2	36.9	.2	24.5
.4	66.4	.4	57.5	.4	47.7	.4	36.7	-4	24.3
.6	66.3	.6	57.4	.6	47.5	.6	36.4	.6	24.0
.8	66.1	.8	57.2	.8	47.3	.8	36.2	.8	23.8
	65.9	17.	57.0	27.	47.1	37.	36.0	47.	23.5
7.	65.7	.2	56.8	.2	46.9	.2	35.8	.2	23.2
.4	65.6	.4	56.6	.4	46.7	.4	35.5	.4	23.0
.6	65.4	.6	56.5	.6	46.4	.6	35.3	.6	22.7
.8	65.3	.8	56.3	.8	46.2	.8	35.0	.8	22.5
8.	65.1	18.	56.1	28.	46.0	38.	34.8	48.	22.2
	64.9	.2	55.9	.2	45.8	.2	34.6	.2	21.9
.2	64.7	14	55.7	.4	45.6	.4	34.3	.4	21.7
.4	64.6	.6	55.5	.6	45.4	.6	34.1	.6	21.4
.6	64.4	.8	55.3	.8	45.2	.8	33.8	.8	21.2
			55.1	15	45.0	39.	33.6	49.	20.9
9.	64.2	19.	54.9	29.	44.8	.2	33.4	.2	20.6
.2	64.0	.2	54.7	.4	44.6	.4	33.1	.4	20.3
-4	63.8	•4		.6	44.3	.6	32.9	.6	20.1
.6	63.7	.6	54.5	.8	44.1	.8	32.6	.8	19.8
.8	63.5	.8	54.3		43.9	40.	32.4	50.	19.5
10.	63.3	20.	54. l	30.	10.0	4			1
	1	11		1	'	11			

#### TEMPERATURE 39°.

1	7	117.	D	737	7	337.	P	137	73
Wts.		Wts. &		Wts. &		Wts. &		Wts. 8	
Divs.	1	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.		
on	over	on	over	on	under		under		under
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	$\ $ Stem.	Proof.
	100						00.0		
50.	19.5	60.	5.1	70.	11,3	80,	32.3	90.	68.5
.2	19.2	.2	4.8	.2	117	.2	32.8	.2	69.3
.4	19.0	•4	4.5	.4	12.0	•4	33.3	.4	70.1
.6	18.7	.6	4.2	,6	12,4	.6	33.9	.6	71.0
.8	18.5	.8	3.9	8.	12.7	.8	34.4	.8	71.8
51.	18.2	6r.	3,6	71.	13.1	Si.	34.9	91.	72.6
.2	17.9	.2	3.3	.2	13.5	.2	35.5	.2	73.3
.4	17.6	-4	3.0	.4	13.9	•4	36.0	.4	74.1
.6	17.4	.6	2.7	.6	14.2	.6	36.6	∥ .6	74.8
.8	17.1	.8	2.4	.8	14,6	.8	37.1	.8	75.6
52.	16.8	62.	2.1	72.	15.0	82.	37.7	92.	76.3
.2	16.5	.2	1.8	.2	15.4	.2	38.3	.2	77.0
-4	16.2	.4	1.5	.4	15.8	.4	38.9	.4	77.7
.6	16.0	.6	1.2	.6	16.1	.6	39.4	.6	78.5
.8	15.7	.8	.9	.s	16.5	.8	40.0	.8	79.2
53-	15.4	63.	.6	73.	16.9	83.	40.6	93.	79.9
.2	15.1	.2	.3	.2	17.3	.2	41.2	.2	80.6
.4	14.8		.1		17.7		41.9		
.6	14.6	·4 .6	- 1	.4	10.1	•4		•4	81.3
.8	14.3	.8	.4	.6	18.1	.6	42.5	.6	81.9
	14.0		.8	.8	18.5	.8	43.2	.8	82.6
54.	13.7	64.	1.1	74.	18.9	84.	43.8	94.	83.3
.2	13.4	.2	1.4	.2	19.3	.2	44.5	.2	83.9
.6	13.1	•4	1.7	•4	19.7	•4	45.2	•4	84.5
.8	12.8	.6	2.1	.6	20.2	.6	45.9	.6	85.2
	12.5	.8	2.4	.8	20.6	.8	46.6	.8	85.8
55-	12.3	65.	2.7	75.	21.0	85.	47.3	95.	86.4
.2	12.2	.2	3.0	.2	21.4	.2	48.1	.2	87.0
1 .4	11.9	.4	33	.4	21.8	-4	48.9	.4	87.6
.6	11.6	.6	3.7	.6	22,2	.6	49.7	.6	88.2
.8	11.3	.8	4.0	.8	22.6	.8	50.5	.8	88.8
56.	11.0	66.	4.3	76.	23.0	86.	51.3	96.	89.4
.2	10 7	.2	4.6	.2	23.4	.2	52.1	.2	90.0
-4	10.4	•4	5.0	.4	23.9	.4	53.0	.4	90.5
.6	10.2	.6	5.3	.6	24.3	.6	53.8	.6	91.1
.8	9.9	.8	5.7	.8	24.8	.8	54.7	.8	91.6
57-	9.6	67.	6.0	77.	25.2	87.	55.5	97.	92.2
.2	9.3	.2	6.3	.2	25.7	.2	56.4	.2	92.7
.4	9.0	•4	6.7	.4	26.1	.4	57.3	.4	93.3
.6	8.8	.6	7.0	.6	26.6	.6	58.1	.6	93.8
.8	8.5	.8	7.4	.8	27.0	.8	59.0	.8	94.4
58.	8.2	68.	7.7	78.	27.5	88.	59.9	98.	94.9
.2	7.9	.2	8.1	.2	28.0	.2	60.8	.2	95.4
-4	7.6	-4	8.4	-4	28.4		61.7	.4	95.9
.6	7.3	.6	8.8	,6	28.9		62.5	$\begin{bmatrix} \overline{6} \end{bmatrix}$	96.4
.8	7.0	.8	9.1	.8	29.3		63.4	.8	96.9
59.	6.7	69.	9.5	79.	29.8		64.3	99.	97.4
.2	6.4	.2	9.9	.2	30.3	.2	65.1	.2	97.9
•4	6.1	•4	10.2	.4	30.8		66.0	.4	98.4
.6	5.7	.6	10.6	.6	31.3		66.8	.6	98.8
.8	5.4	.8	10.9	.8	31.8		67.7	.8	99.3
6a.	5.1			So.	32,3		00 M	100.	99.8
1									0.0
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#### TEMPERATURE 40°.

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Wts. 8	Per	Wts. &	Per	Wts. &	P	UNITA	D	1	l p
Divs.		Divs.	Cent.			Wts. &	Per	Wts. &	Per
on	over	on on		Divs.	Cent.	Divs.		Divs.	Cent.
Stem.	Proof.		over	on	over	on	over	on	over
Stelli.	1 root.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
0.		10.	63.1	20	59.0	00	49.C		00.1
.2			62.9	20.	53.8	30.	43.6	40.	32.1
		.2	62.7	.2	53.6 53.4	.2	43.4	.2	31.8
.6		.4	62.6	.6	53.3	•4	43.2	•4	31.6
.8		.8	62.4	.8	53.1	.6	42.9	.6	31.3
1.		11.	62.2	21.	52.9	8.	42.7 42.5	.8	31.1
.2		.2	62.0	.2	52.7	31.	42.3	41.	30.8
•4		.4	61.8	•4	52.5	,2	42.5	.2	30.6
.6		.6	61.7	.6	52.3	.6	41.8	1.4	30.3
.8		.8	61.5	.8	52.1	.8	41.6	.6	30.1 29.8
2.	69.9	12.	61.3	22.	51.9	32.	41.4	.8	
.2	69.7	.2	61.1	.2	51.7	.2	41.4	42.	29.6 29.4
.4	69.5	.4	60.9	•4	51.5		41.2	.2	
.6	69.4	.6	60.8	.6	51.4	·4 .6	40.7	•4	29.1
.8	69.2	.8	60.6	.8	51.4	.8	40.7	.6	28.9 28.6
3.	69.0	13.	60.4	23.	51.0		40.3	11	28.4
.2	68.8	.2	60.2	.2	50.8	33.	40.1	43.	28.1
.4	68.7	.4	60.0	.4	50.6	.4	39.9	1	27.9
.6	68.5	.6	59.9	.6	50.4	.6	39.6	.6	27.6
.8	68.4	.8	59.7	.8	50.2	.8	39.4	.8	27.4
4.	68.2	14.	59.5	24.	50.0	34.	39.2		27.1
.2	68.0	.2	59.3	.2	49.8	.2	39.0	44.	26.8
.4	67.9	.4	59.1	•4	49.6	-4	38.8	1	26.6
6.	67.7	.6	59.0	.6	49.4	.6	38.5	.6	26.3
.8	67.6	.8	58.8	.8	49.2	.8	38.3	.8	26.1
5.	67.4	15.	58.6	25.	49.0	35.	38.1	45.	25.8
.2	67.2	.2	58.4	.2	48.8	.2	37.9	.2	25.5
.4	67.0	.4	58.2	.4	48.6	.4	37.6	.4	25.3
.6	66.9	.6	58.1	.6	48.3	.6	37.4	.6	25.0
.8	66.7	.8	57.9	.8	48.1	.8	37.1	.8	24.8
6.	66.5	16.	57.7	26.	47.9	36.	36.9	46.	24.5
.2	66.3	.2	57.5	.2	47.7	.2	36.7	.2	24.2
.4	66.2	.4	57.3	.4	47.5	.4	36.4	.4	24.0
.6	66.0	.6	57.1	.6	47.2	.6	36.2	.6	23.7
.8	65.9	.8	56.9	.8	47.0	.8	35.9	.8	23.5
7.	65.7	17.	56.7	27.	46.8	37.	35.7	47.	23 2
.2	65.5	.2	56.5	.2	46.6	.2	35.5	.2	22.9
-4	65.3	.4	56.3	.4	46.4	-4	35.2	.4	22.7
.6	65.2	.6	56.2	.6	46.1	.6	35.0	.6	22.4
.8	65.0	.8	56.0	.8	45.9	.8	34.7	.8	22.2
8.	64.8	18.	55.8	28.	45.7	38.	34.5	48.	21.9
.2	64.6	.2	55.6	.2	45.5	.2	34.3	.2	21.6
•4	64.5	.4	55.4	-4	45.3	.4	34.0	•4	21.4
.6	64.3	.6	55.2	.6	45.1	.6	33.8	.6	21.1
.8	64.2	.8	55.0	.8	44.9		33.5	.8	20.9
9.	64.0	19.	54.8	29.	44.7		33.3	49.	20.6
.2	63.8	.2	54.6	.2	44.5	.2	33.1	.2	20.3
-4	63.6	-4	54.4	-4	44.3		32.8	.4	20.0
.6	63.5	.6	54.2	.6	44.0		32.6	.6	19.8
.8	63.3	.8	54.0	.8	43.8		32.3	.8	19.5
10.	63.1	20.	53.8	30.	43.6	40.	32.1	50.	19.2
						1			

#### TEMPERATURE 40°.

						11		16	
	1 -		-		30	7771	70	377. 4	70
Wts. &		Wts. &		Wts. &	Fer	Wts. &		Wts. &	
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
on	over	on	over	on	under	on	under	on	under
Stem.	Proof.		Proof.		Proof.		Proof.	Stem.	
Brem.	1 1001.	Douil.	11001.	Docini	X 1001.	Ducin.	11001.	Stem.	1.1001.
	10.0	(-	4.0		11 7	0-	20.7		00.7
50.	19.2	60.	4.8	70.	11.7	80.	32.7	90.	68.7
.2	18.9	.2	4.5	.2	12.1	.2	33.2	.2	69.5
.4	18.7	.4	4.2	.4	12.4	•4	33.7	•4	70.3
.6	18.4	.6	3.9	.6	12.8	.6	34.3	.6	71.1
.8	18.2	.8	3.6	.8	13.1	.8	34.8	.8	71.9
	17.9	61.	3.3	71.	13.5	81.	35.3		72.7
51.								91.	
.2	17.6	.2	3.0	.2	13.9	.2	35.9	.2	73.4
.4	17.3	•4	2.7	.4	14.3	•4	36.4	•4	74.2
.6	17.1	.6	2.4	.6	14.6	.6	37.0	.6	74.9
.8	16.8	.8	2.1	.8	15.0	.8	37.5	.8	75.7
52.	16.5	62.	1.8	72.	15.4	82.	38.1	92.	76.4
.2	16.2	.2	1.5	.2	15.8	.2	38.7	.2	77.1
	15.9		1.0						
-4	10.9	٠4	1.2	.4	16.2	.4	39.3	•4	77.8
.6	15.6	.6	.8	.6	16.5	.6	39.8	.6	78.6
.8	15.3	.8	.5	.8	16.9	.8	40.4	.8	79.3
53.	15.0	63.	.2	73.	17.3	83.	41.0	93.	80.0
.2	14.7	.2	.1	.2	17.7	.2	41.6		80.7
								.2	
-4	14.4	•4	.4	•4	18.1	•4	42.3	•4	81.3
.6	14.2	.6	.8	.6	18.5	.6	42.9	.6	82.0
.8	13.9	.8	1.1	.8	18.9	.8	43.6	.8	82.6
54-	13.6	64.	1.4	74.	19.3	84.	44.2	94.	83.3
.2	13.3	.2	1.7	.2	19.7	.2	44.9	.2	83.9
-4	13.0	.4	2.0	.4	20.1	.4	45.6		84.6
•4		•4	9.4	•4		1 .4		•4	
.6	12.8	.6	2.4	.6	20.5	.6	46.3	,6	85.2
.8	12.5	.8	2.7	.8	20.9	.8	47.0	.8	85.9
55.	12.2	65.	3.0	75.	21.3	85.	47.7	95.	86.5
.2	11.9	.2	3.3	.2	21.7	.2	48.5	.2	87.1
.4	11.6	.4	3.6	.4	22.1	.4	49.3	.4	87.7
.6	11.3	.6	4.0	.6	22.5	.6	50.1		88.2
.8	11.0				22.9			.6	
.0		.8	4.3	.8		.8	50.9	.8	88.8
56.	10.7	66.	4.6	76.	23.3	86.	51.7	96.	89.4
.2	10.4	.2	5.0	.2	23.7	.2	52.5	.2	90.0
-4	10.1	.4	5.3	.4	24.2	.4	53.3	.4	90.5
.6	9.9	.6	5.7	.6	24.6	.6	54.2	.6	91.1
.8	9.6	.8	6.0	.8	25.1	.8	55.0	.8	91.6
57.	9.3	67.	6.4	77.	25.5	87.	55.8	. 9	92.2
	9.0							97.	
.2		.2	6.7	.2	26.0	.2	56.7	.2	92.7
.4	8.7	.4	7.1	•4	26.4	.4 .6	57.6	•4	93.3
.6	8.4	.6	7.4	.6	26.9	.6	58.4	.6	93.8
.8	8.1	.8	7.8	.8	27.3	.8	59.3	.8	94.4
58.	7.8	68.	8.1	78.	27.8	88.	60.2	98.	94.9
.2	7.5	.2	8.5	.2	28.3	.2	61.1		95.4
.4	7.2		8.8	1	28.8			.2	
.6	6.9	•4		.4		•4	61.9	•4	95.9
		.6	9.2	.6	29.2	.6	62.8	.6	96.4
.8	6.6	.8	9.5	.8	29.7	.8	63.6	.8	96.9
59.	6.3	69.	9.9	79.	30.2	89.	64.5	99.	97.4
.2	-6.0	.2	10.3	.2	30.7	.2	65.3	.2	97.9
.4	5.7	.4	10.6	.4	31.2	.4	66.2	.4	98.4
.6	5.4	.6	11.0	.6	31.7	.6	67.0	.6	98.8
.8	5.1	.8	11.3	.8	32.2	.8			
60.	4.8		11.7			1	67.9	.8	99.3
00.		70.	11.7	80.	32.7	90.	68.7	100.	99.8
						1	1	i i	

## TEMPERATURE 41°.

Wts. & Per Divs. on Stem.   Per Divs. on Stem.   Proof.   Proof.   Stem.   Proof.   Stem.   Proof.   Stem.   Proof.   Stem.   Proof.   Stem.   Proof.   Proo	
Divs. on over   Stem.   Divs. over   Stem.   Divs. over   Stem.   Proof.   Stem.   Over   Proof.   Stem.   Proof.   Stem.   Proof.   Stem.   Proof.   Stem.   Over   Proof.   Over   Proof.   Over   Proof.   Over   Proof	1 _
Stem.   Proof.   Stem.   Over   Stem.   Proof.   Stem.   Proof.   Stem.   Proof.   Stem.   Over   Proof.   O	
Stem.   Proof.   P	Cent.
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	over
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	Proof.
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	31.8
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	31.6
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	31.3
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	31.1
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	30.8
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	30.6
$ \begin{bmatrix} .6 & \\ .8 & 69.9 \\ 2. & 69.7 \\ .2 & 69.5 \\ .4 & 69.3 \\ .6 & 69.2 \\ .8 & 69.0 \\ 3. & 68.8 \\ .2 & 68.6 \\ .2 & 68.6 \\ .4 & 68.5 \\ .4 & 68.5 \\ .5 & 67.5 \\ .8 & 67.4 \\ .8 & 67.7 \\ .8 & 66.5 \\ \end{bmatrix} \begin{bmatrix} .6 & 61.4 \\ .8 & 61.3 \\ .8 & 61.3 \\ .8 & 61.3 \\ .8 & 61.3 \\ .8 & 61.3 \\ .8 & 61.3 \\ .8 & 61.3 \\ .8 & 61.3 \\ .8 & 61.3 \\ .8 & 61.3 \\ .8 & 61.3 \\ .8 & 61.3 \\ .8 & 61.3 \\ .2 & 60.9 \\ .2 & 51.5 \\ .4 & 51.3 \\ .4 & 51.3 \\ .4 & 51.3 \\ .4 & 51.3 \\ .4 & 50.9 \\ .8 & 50.9 \\ .8 & 50.9 \\ .8 & 50.9 \\ .8 & 50.9 \\ .8 & 50.5 \\ .8 & 40.2 \\ .2 & 39.8 \\ .2 & 39.8 \\ .2 & 39.8 \\ .2 & 39.8 \\ .2 & 39.8 \\ .2 & 39.8 \\ .2 & 39.8 \\ .2 & 39.8 \\ .2 & 39.8 \\ .2 & 39.8 \\ .2 & 39.8 \\ .2 & 39.8 \\ .2 & 39.8 \\ .2 & 39.8 \\ .2 & 39.8 \\ .2 & 39.8 \\ .2 & 39.8 \\ .2 & 39.8 \\ .2 & 39.1 \\ .2 & 39.8 \\ .2 & 39.8 \\ .2 & 39.1 \\ .2 & 39.1 \\$	30.3
$ \begin{bmatrix} .6 & \\ .8 & 69.9 \\ 2. & 69.7 \\ .2 & 69.5 \\ .4 & 69.3 \\ .6 & 69.2 \\ .8 & 69.0 \\ 3. & 68.8 \\ 13. & 60.2 \\ .2 & 68.6 \\ .2 & 68.6 \\ .4 & 68.5 \\ .4 & 68.5 \\ .8 & 68.2 \\ .8 & 68.2 \\ .8 & 68.0 \\ .8 & 68.2 \\ .8 & 68.3 \\ .8 & 68.2 \\ .8 & 68.3 \\ .8 & 68.8 \\ .8$	30.1
$ \begin{bmatrix} .8 & 69.9 \\ 2. & 69.7 \\ .2 & 69.5 \\ .4 & 69.3 \\ .6 & 69.2 \\ .8 & 69.0 \\ .8 & 69.0 \\ .2 & 68.6 \\ .2 & 68.6 \\ .2 & 68.6 \\ .2 & 68.6 \\ .2 & 68.6 \\ .4 & 68.5 \\ .4 & 68.5 \\ .8 & 68.2 \\ .8 & 68.2 \\ .8 & 68.2 \\ .8 & 68.2 \\ .8 & 67.7 \\ .6 & 67.5 \\ .6 & 67.5 \\ .6 & 67.5 \\ .6 & 67.5 \\ .8 & 67.2 \\ .2 & 67.8 \\ .3 & 68.8 \\ .3 & 68.8 \\ .4 & 68.0 \\ .4 & 68.0 \\ .4 & 68.0 \\ .2 & 67.8 \\ .2 & 67.8 \\ .3 & 68.8 \\ .3 & 68.2 \\ .4 & 68.0 \\ .2 & 59.1 \\ .2 & 67.8 \\ .3 & 64.1 \\ .4 & 67.7 \\ .4 & 68.8 \\ .4 & 68.0 \\ .4 & 68.0 \\ .2 & 67.8 \\ .4 & 68.0 \\ .8 & 67.4 \\ .8 & 58.6 \\ .8 & 48.9 \\ .8 & 38.0 \\ .8 & 37.8 \\ .2 & 37.8 \\ .2 & 37.8 \\ .2 & 37.8 \\ .2 & 37.8 \\ .2 & 37.8 \\ .2 & 37.8 \\ .2 & 37.8 \\ .2 & 37.8 \\ .2 & 37.8 \\ .2 & 37.8 \\ .2 & 37.8 \\ .2 & 37.8 \\ .2 & 37.8 \\ .2 & 37.8 \\ .3 & 36.8 \\ .8 & 66.5 \\ .8 & 67.8 \\ .8 & 66.5 \\ .8 & 57.6 \\ .8 & 47.8 \\ .8 & 36.8 \\ .8 & 36.8 \\ .8 \\ .8 \\ .8 \\ .8 \\ .8 \\ .8 \\ .8 \\$	29.8
$ \begin{bmatrix} 2. & 69.7 \\ .2 & 69.5 \\ .4 & 69.3 \\ .6 & 69.2 \\ .8 & 69.0 \\ .8 & 68.8 \\ .2 & 68.6 \\ .2 & 68.6 \\ .4 & 68.5 \\ .4 & 68.5 \\ .6 & 68.2 \\ .8 & 69.0 \\ .8 & 69.7 \\ .2 & 69.6 \\ .2 & 69.6 \\ .2 & 69.7 \\ .3 & 69.8 \\ .4 & 69.3 \\ .2 & 69.6 \\ .2 & 69.0 \\ .3 & 69.8 \\ .4 & 69.5 \\ .4 & 69.8 \\ .4 & 69.5 \\ .4 & 69.8 \\ .4 & 69.7 \\ .5 & 67.2 \\ .5 & 67.2 \\ .4 & 67.7 \\ .6 & 67.5 \\ .6 & 67.5 \\ .6 & 67.2 \\ .2 & 67.0 \\ .2 & 67.0 \\ .2 & 69.6 \\ .3 & 66.8 \\ .4 & 69.9 \\ .4 & 69.7 \\ .4 & 69.8 \\ .$	29.6
$ \begin{vmatrix} .2 & 69.5 \\ .4 & 69.3 \\ .6 & 69.2 \\ .8 & 69.0 \\ .8 & 68.8 \\ .2 & 68.6 \\ .2 & 60.0 \\ .4 & 68.5 \\ .4 & 68.5 \\ .6 & 68.3 \\ .8 & 68.2 \\ .8 & 68.2 \\ .8 & 68.2 \\ .8 & 68.2 \\ .8 & 68.0 \\ .8 & 68.0 \\ .8 & 68.2 \\ .8 & 68.2 \\ .8 & 68.2 \\ .8 & 68.2 \\ .8 & 68.2 \\ .8 & 68.2 \\ .8 & 68.2 \\ .8 & 68.2 \\ .8 & 68.2 \\ .8 & 68.2 \\ .8 & 68.2 \\ .8 & 59.5 \\ .8 & 49.9 \\ .8 & 39.1 \\ .2 & 67.8 \\ .2 & 67.8 \\ .2 & 67.8 \\ .2 & 67.4 \\ .5 & 67.2 \\ .2 & 67.0 \\ .2 & 67.0 \\ .2 & 67.0 \\ .2 & 68.4 \\ .8 & 68.4 \\ .8 & 68.4 \\ .8 & 68.4 \\ .8 & 68.4 \\ .8 & 68.8 \\ .2 & 67.8 \\ .2 & 67.8 \\ .3 & 68.8 \\ .4 & 68.8 \\ .4 & 68.9 \\ .4 & 68.9 \\ .4 & 68.9 \\ .4 & 68.9 \\ .4 & 68.9 \\ .4 & 68.9 \\ .4 & 68.9 \\ .4 & 68.9 \\ .4 & 68.9 \\ .4 & 68.9 \\ .4 & 68.9 \\ .4 & 68.9 \\ .4 & 68.9 \\ .4 & 68.9 \\ .8 & 68.9 \\ .$	29.3
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	29.1
$ \begin{vmatrix} .6 & 69.2 \\ .8 & 69.0 \\ 3. & 68.8 \\ .2 & 68.6 \\ .4 & 68.5 \\ .6 & 68.3 \\ .8 & 68.2 \\ .8 & 68.2 \\ .8 & 67.4 \\ .6 & 67.5 \\ .6 & 66.7 \\ .6 & 66.7 \\ .8 & 66.5 \\ \end{vmatrix} \begin{vmatrix} .6 & 60.6 \\ .8 & 60.6 \\ .8 & 60.2 \\ .2 & 67.0 \\ .8 & 66.5 \\ \end{vmatrix} \begin{vmatrix} .6 & 60.6 \\ .8 & 60.6 \\ .8 & 69.2 \\ .2 & 59.1 \\ .2 & 49.5 \\ .2 & $	28.8
$ \begin{bmatrix} .8 & 69.0 \\ 3. & 68.8 \\ .2 & 68.6 \\ .4 & 68.5 \\ .6 & 68.3 \\ .8 & 68.2 \\ .8 & 69.5 \\ .8 & 68.0 \\ 14. & 59.3 \\ .2 & 59.1 \\ .2 & 67.0 \\ .8 & 66.5 \\ .8 & 67.4 \\ .8 & 67.4 \\ .2 & 67.0 \\ .8 & 66.5 \\ .8 & 66.5 \\ .8 & 66.5 \\ .8 & 66.5 \\ .8 & 66.5 \\ .8 & 66.5 \\ .8 & 66.5 \\ .8 & 66.5 \\ .8 & 66.5 \\ .8 & 66.5 \\ .8 & 67.6 \\ .8 & 66.5 \\ .8 & 67.6 \\ .8 & 66.5 \\ .8 & 67.6 \\ .8 & 66.5 \\ .8 & 67.8 \\ .8 & 66.5 \\ .8 & 67.8 \\ .8 & 66.5 \\ .8 & 67.8 \\ .8 & 66.5 \\ .8 & 67.8 \\ .8 & 66.5 \\ .8 & 67.8 \\ .8 & 66.5 \\ .8 & 67.8 \\ .8 & 66.5 \\ .8 & 67.8 \\ .8 & 67.8 \\ .8 & 67.8 \\ .8 & 67.8 \\ .8 & 67.8 \\ .8 & 67.8 \\ .8 & 67.8 \\ .8 & 67.8 \\ .8 & 67.8 \\ .8 & 67.8 \\ .8 & 68.8 \\ .8 & 67.8 \\ .8 & 68.8 \\ .8 & 67.8 \\ .8 & 68.8 \\ $	28.6
$ \begin{vmatrix} 3 & 68.8 \\ .2 & 68.6 \\ .4 & 68.5 \\ .6 & 68.3 \\ .8 & 68.2 \\ .8 & 59.5 \\ .2 & 59.1 \\ .2 & 67.7 \\ .6 & 67.7 \\ .6 & 67.5 \\ .8 & 67.4 \\ .8 & 66.5 \\ .8 & 66.5 \\ .8 & 66.5 \\ .8 & 66.5 \\ .8 & 66.5 \\ .8 & 66.5 \\ .8 & 66.5 \\ .8 & 66.5 \\ .8 & 66.5 \\ .8 & 66.5 \\ .8 & 66.5 \\ .8 & 66.5 \\ .8 & 67.6 \\ .8 & 66.5 \\ .8 & 66.5 \\ .8 & 67.6 \\ .8 & 66.5 \\ .8 & 67.6 \\ .8 & 66.5 \\ .8 & 67.6 \\ .8 & 66.5 \\ .8 & 67.6 \\ .8 & 66.5 \\ .8 & 67.6 \\ .8 & 66.5 \\ .8 & 67.6 \\ .8 & 66.5 \\ .8 & 67.6 \\ .8 & 67.8 \\ .8 & 66.5 \\ .8 & 67.8 \\ .8 & 67.8 \\ .8 & 66.5 \\ .8 & 67.8 \\ .8 & 67.8 \\ .8 & 67.8 \\ .8 & 67.8 \\ .8 & 67.8 \\ .8 & 67.8 \\ .8 & 66.5 \\ .8 & 67.8 \\ .8 & 67.8 \\ .8 & 66.5 \\ .8 & 67.8 \\ .8 & 67.8 \\ .8 & 67.8 \\ .8 & 67.8 \\ .8 & 67.8 \\ .8 & 67.8 \\ .8 & 68.8 \\ .8$	28.3
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	28.1
$ \begin{bmatrix} .4 & 68.5 \\ .6 & 68.3 \\ .8 & 68.2 \\ 4. & 68.0 \\ .2 & 67.8 \\ .4 & 67.7 \\ .6 & 67.5 \\ .8 & 67.4 \\ .8 & 67.2 \\ .4 & 66.8 \\ .8 & 67.4 \\ .8 & 67.2 \\ .8 & 67.8 \\ .8 & 68.4 \\ .8 & 68.4 \\ .8 & 68.4 \\ .8 & 68.4 \\ .8 & 68.8 \\ .$	27.8
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	27.6
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	27.3
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	27.1
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	26.8
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	26.5
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	26.3
$ \begin{bmatrix} .8 & 67.4 & .8 & 58.6 & .8 & 48.9 & .8 & 38.0 & .8 \\ 5. & 67.2 & 15. & 58.4 & 25. & 48.7 & 35. & 37.8 & 45. \\ .2 & 67.0 & .2 & 58.2 & .2 & 48.5 & .2 & 37.6 & .2 \\ .4 & 66.8 & .4 & 58.0 & .4 & 48.3 & .4 & 37.3 & .4 \\ .6 & 66.7 & .6 & 57.8 & .6 & 48.0 & .6 & 37.1 & .6 \\ .8 & 66.5 & .8 & 57.6 & .8 & 47.8 & .8 & 36.8 & .8 \\ \end{bmatrix} $	26.0
5.     67.2     15.     58.4     25.     48.7     35.     37.8     45.       .2     67.0     .2     58.2     .2     48.5     .2     37.6     .2       .4     66.8     .4     58.0     .4     48.3     .4     37.3     .4       .6     66.7     .6     57.8     .6     48.0     .6     37.1     .6       .8     66.5     .8     57.6     .8     47.8     .8     36.8     .8	25.8
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	25.5
	25.2
.6 66.7   .6 57.8   .6 48.0   .6 37.1   .6 8 66.5   .8 57.6   .8 47.8   .8 36.8   .8	25.0
.8 66.5   .8 57.6   .8 47.8   .8 36.8   .8	24.7
6 663 76 57.4 26 47.6 26 36.6 46	24.5
	24.2
0. 00.3   10. 57.1   20. 47.4   30. 30.0   40.	23.9
	23.7
$ \begin{vmatrix} .4 & 65.9 & .4 & 57.0 & .4 & 47.2 & .4 & 36.1 & .4 \\ .6 & 65.8 & .6 & 56.9 & .6 & 46.9 & .6 & 35.9 & .6 \ \end{vmatrix} $	23.4
	23.2
	22.9
$\left  egin{array}{c c c c c c c c c c c c c c c c c c c $	22.6
	22.4
.4   65.1   .4   56.1   .4   46.1   .4   34.9   .4	
.6     64.9     .6     55.9     .6     45.9     .6     34.7     .6       .8     64.8     .8     55.7     .8     45.7     .8     34.4     .8	22.1
8 64.8 .8 55.7 .8 45.7 .8 34.4 .8	21.9
8. 64.6 18. 55.5 28. 45.5 38. 34.2 48.	21.6
.2 64.4 .2 55.3 .2 45.3 .2 34.0 .2	21.3
4 64.2 4 55.1 4 45.1 4 33.7 4	21.0
.6   64.1   .6   55.0   .6   44.9   .6   33.5   .6	20.8
8 63.9 8 54.8 8 44.7 8 33.2 8	20.5
9. 63.7 19. 54.6 29. 44.5 39. 33.0 49.	20.2
.2 63.5 .2 54.4 .2 44.3 .2 32.8 .2	19.9
.4 63.3 .4 54.2 .4 44.1 .4 32.5 .4	19.7
6 63.2 6 54.0 6 43.8 6 32.3 6	19.4
8 63.0 8 53.8 8 43.6 8 32.0 8	19.2
10. 62.8 20. 53.6 30. 43.4 40. 31.8 50.	18.9

### TEMPERATURE 41°.

		1		d	1	At .	1		1
Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	
on	over	on	over	on	under		under	on	under
Stem.	Proof.	Stem.	Proof.	Stem.		Stem.	Proof.	Stem.	Proof.
Stem.	I root.	Btem.	T 1001.	Stell.	1 1001.	Stem.	1 1001.	Stem.	1 1001.
50.	18.9	60.	4.5	70.	12.0	80.	33.1	90.	68.9
.2	18.6	.2	4.2	.2	12.4	.2	33.6	90.	69.7
.4	18.3	.4	3.9	.4	12.7	.4	34.1	f <b>f</b>	70.5
.6	18.1	.6	3.6	.6	13.1	.6	34.7	.4 .6	71.3
.8	17.8	.8	3.3	.8	13.4	.8	35.2	.8	72.1
	17.5	61.	3.0		13.8	81.	35.7		72.1
51. .2	17.2	.2	2.7	7I.	14.2		36.3	91.	73.6
	16.9		2.4		14.6	.2	36.8		74.3
.4	16.7	·4 .6	2.1	·4 .6	14.9	.4	37.4	.6	75.1
.8	16.4	.8	1.8	.8	15.3	.6	37.9		75.1 75.8
	16.1	62	1.5		15.7	8.8			70.0
52. .2	15.8	62.	1.3	72.	16.1	82.	38.5	, - ,	76.5 77.2
	15.5		.9	.2	16.5	.2	39.1 39.7	.2	77.9
.4	15.3	.6	.5	.4		.4		.4	
.8	15.0	.8	.2	.6	16.8 17.2	.6	40.2	.6	78.7
<b>3</b> 2 3				.8		.8	40.8	.8	79.4
53-	14.7	63.	.1	73.	17.6	83.	41.4	93.	80.1
.2	14.4	.2	.4 .7 1.1 1.4	.2	18.0	.2	42.0	.2	80.8
.4	14.1	.4		.4	18.4	.4	42.7	.4	81.4
.6	13.9	.6	1.1	.6	18.8	.6	43.3	.6	82.1
.8	13.6	.8	1.4	.8		8.	44.0	.8	82.7
54	13.3	64.	1.7	74.	19.6	84.	44.6	94.	83.4
.2	13.0 12.7	.2	2.0	.2	20.0	.2	45.3	.2	84.0
•4	12.7 $12.5$	•4	2.3	.4	20.4	.4	46.0	•4	84.6
.6	12.3	.6	2.7	.6	20.8	.6	46.7	.6	85.3
	11.9	.8	3.0	.8	21.2	8.	47.4	.8	85.9
55.	11.6	65.	3.6	75.	21.6	85.	48.1	95.	86.5
.4	11.3		4.0	.2	22.0 22.4	.2	48.9	.2	87.1
.6	11.0	•4 •6	4.3	•4	22.4	•4	49.7	.4	87.7
.8	10.7	.8	4.7	.6	23.3	.6	50.4	.6	88.3
56.	10.4	66.	5.0	.8 76.	23.7	8.	51.2	.8	88.9
.2	10.1	.2	5.3			86.	52.0	96.	89.5
.4	9.8	.4	5.7	.2	24.1 24.6	.2	52.8	.2	90.1
.6	9.6	.6	6.0	.6	25.0	.4	53.7 54.5	•4	90.6
.8	9.3	.8	6.4	.8	25.5	.6	55.4	,6	91.2
57.	9.0	67.	6.7		25.9	87.	56.2	.8	91.7
.2	8.7	.2	7.0	77.	26.4	.2	57.1	97.	92.3 92.8
.4	8.4	.4	7.4	.4	26.8	.4	57.9		93.3
.6	8.1	.6	7.7	.6	27.3	.6	58.8	.6	93.9
.8	7.8	.8	8.1	.8	27.7	.8	59.6	.8	94.4
58.	7.5	68.	8.4	78.	28.2	88.	60.5	98.	94.9
.2	7.2	.2	8.8	.2	28.7	.2	61.4	90.	95.4
.4	6.9	.4	9.1	•4	29.2	.4	62.2	.4	95.9
.6	6.6	.6	9.5	.6	29.6	.6	63.1	.6	96.4
.8	6.3	.8	9.8	.8	30.1	.8	63.9	.8	96.9
59.	6.0	69.	10.2	79.	30.6	89.	64.8	99.	97.4
.2	5.7	.2	10.6	.2	31.1	.2	65.6	.2	97.9
•4	5.4	.4	10.9	.4	31.6	.4	66.4	.4	98.4
.6	5.1	.6	11.3	.6	32.1	.6	67.3	.6	98.8
.8	4.8	.8	11.6	.8	32.6	.8	68.1	.8 +	99.3
бо.	4.5	70.	12.0	80.	33.1	90,	00 0	100.	99.8
	1						1	1	

# TEMPERATURE 42°.

		1							
Wts.	& Per	Wta	Per	Wto !	Per	TITLE		1	,
Divs	s.   Cent.	Divs.	Cent.		Cent	Wts. d	& Per Cent.		& Per
on	over	on	over	on	over			3	
Sten	n. Proof.	Stem.	Proof		Proof	Stem	Proof		over Proof.
11		-	1		,		11001	. Всеш,	1 1001,
0.		10.	62.6	20.	53.4		43.1	40.	31.5
.2		.2	62.4	11	53.2			.2	31.3
.4		1 .4	62.2	.4	53.0			.4	
.8		.6	62.1		52.8		42.4		
I.		11.	61.7	.8	52.6 52.4	14	42.2 42.0	11	30.5
.2		2	61.5	.2	52.2	31.		41.	30.3
.4		1 4		1 .4	52.0	.4		.4	29.8
.6	+69.8	.6	61.2	.6	51.8	6.	41.3	.6	29.5
.8		.8	61.1	.8	51.6	.8	41.1	.8	29.3
2.		12.	60.9	22.	51.4	32.	40.9	42.	29.0
.2		.2	60.7	.2	51.2	.2	40.7	.2	28.8
.4	69.1	.4	60.5	.4	51.0		40.5	.4	28.5
.8	68.8	.6 .8	60.4		50.8		40.2	.6	28.3
3.	68.6	13.	60.0	23.	50.6		40.0	8.	
.2	68.4	.2	59.8	.2	50.2	33.	39.6	43.	27.8 27.5
.4		.4	59.6	.4	50.0	4	39.3	.4	27.3
.6	68.1	.6	59.5	.6	49.8	6	39.1	.6	27.0
.8	68.0	.8	59.3	.8	49.6	.8	38.8	.8	26.8
4.	67.8	14.	59.1	24.	49.4	34.	38.6	44.	26.5
.2	67.6	.2	58.9	.2	49.2	.2	38.4	.2	26.2
.4	67.5	.4	58.7 58.6	•4	49.0 48.8	.4	38.2	.4	26.0
.8	67.2	.8	58.4	.6	48.6	.6	37.9 37.7	.6	25.7 25.5
5.	67.0	15.	58.2	25.	48.4	35.	37.5	45.	
.2	66.8	.2	58.0	.2	48.2	.2	37.3	.2	24.9
.4	66.6	.4	57.8	.4	48.0	4	37.0	.4	24.7
.6	66.5	.6	57.6	.6	47.7	.6	36.8	.6	24.4
8.	66.3	.8	57.4	.8	47.5	.8	36.5	.8	24.2
6.	$\begin{bmatrix} 66.1 \\ 65.9 \end{bmatrix}$	16.	57.2	26.	47.3	36.	36.3	46.	23.9
.2	65.7	.2	57.0 56.8	.2	47.1 46.9	.2	36.1 35.8	.2	23.6 23.4
.6	65.6	.6	56.7	·4 .6	46.7	.4	35.6	.4 .6	23.1
.8	65.4	.8	56.5	.8	46.5	.8	35.3	.8	22.9
7.	65.2	17.	56.3	27.	46.3	37.	35.1	47.	22.6
.2	65.0	.2	56.1	.2	46.1	.2	34.9	.2	22.3
•4	64.9	.4	55.9	.4	45.9	.4	34.6	.4	22.1
.6	64.7	.6	55.7	.6	45.7	.6	34.4	.6	21.8
.8	64.6	.8	55.5	.8	45.5		34.1	.8	21.6
8.	64.4	18.	55.3 55.1	28.	45.3	38.	33.9	48.	21.3
.2	64.0	.2	54.9	.2	45.1 44.9	.2	33.7 33.4	.4	21.0 20.7
.6	63.9	.6	54.8	.6	44.6	.6	33.2	.6	20.5
.8	63.7	.8	54.6	.8	44.4	.8	32.9	.8	20.2
9.	63.5	19.	54.4	29.	44.2	39-	32.7	49.	19.9
.2	63.3	.2	54.2	.2	44.0	.2	32.5	.2	19.6
-4	63.1	.4	54.0	.4	43.8	.4	32.2	.4	19.4
.6	63.0	.6	53.8	.6	43.5	.6	32.0	.6	19.1
.8 10.	62.8 62.6	.8	53.6 53.4	.8	43.3 43.1	.8	31.7	.8	18.9 18.6
100	02.0	20.	00.4	30.	20.1	40.	31.0	50.	10.0
			- (1			1			

### TEMPERATURE 42°.

,		is .				1.			
7774 - Q.	Des	Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Dan
Wts. & Divs.	Per Cent.	Divs.	Cent.	Divs.	Cent.		Cent.	Divs.	Per Cent.
on	over	on	over	on	under		under		under
Stem.	Proof.		Proof.		Proof.		Proof.		Proof.
500111									
50.	18.6	60.	4.2	70.	12.3	80.	33.4	90.	69.1
.2	18.3	.2	3.9	.2	12.7	.2	33.9	.2	69.9
.4	18.0	•4	3.6	.4	13.0	.4	34.5	.4	70.7
.6	17.8	.6	3.3	.6	13.4	.6	35.0	.6	71.4
.8	17.5	.8	3.0	.8	13.7	.8	35.6	.8	72.2
51.	17.2	61.	2.7	71.	14.1	81.	36.1	91.	73.0
.2	16.9	.2	2.4	.2	14.5	.2	36.6	.2	73.7
1 .4	16.6	•4	2.1	•4	14.9	•4	37.2	•4	74.5
.6	16.4 16.1	.6	1.8 1.5	.6	15.2	.6	37.7	.6	75.2
1 5	15.8	62.	$\frac{1.5}{1.2}$	.8	15.6	.8	38.3	.8	76.0
52.	15.5	.2	.9	72.	16.0 16.4	82.	38.8 39.4	92.	76.7
.4	15.2	.4	.6	.2	16.8	.2	40.0	.2	77.4 78.1
.6	15.0	.6	.2	·4 .6	17.2	.6	40.5	.6	78.8
.8	14.7	.8	.1	.8	17.6	.8	41.1	.8	79.5
53.	14.4	63.	.4		18.0	83.	41.7	il á	80.2
.2	14.1	.2	.7	73.	18.4	.2	42.4	93.	80.8
.4	13.8	.4	1.0	.4	18.8	•4	43.0	.4	81.5
.6	13.6	.6	1.4	.6	19.2	.6	43.7	.6	82.1
.8	13.3	.8	1.7	.8	19.6	.8	44.3	.8	82.8
54.	13.0	64.	2.0	74.	20.0	84.	45.0	94.	83.4
.2	12.7	.2	2.3	.2	20.4	.2	45.7	.2	84.0
.4	12.4	•4	2.6	•4	20.8	.4	46.4	.4	84.7
.6	12.2	.6	3.0	.6	21.2	.6	47.0	.6	85.3
.8	11.9	.8	3.3	.8	21.6	.8	47.7	.8	86.0
55.	11.6	65.	3.6	75.	22.0	85.	48.4	95.	86.6
.2	11.3 11.0	.2	3.9 4.3	.2	22.4	.2	49.2	.2	87.2
.6	10.7	.6	4.6	•4	22.8	•4	50.0	-4	87.8
.8	10.4	.8	5.0	.6	23.3 23.7	.6	50.8 51.6	.6	88.3
56.	10.1	66.	5.3	.8 76.	24.1	.8	52.4	.8	88.9
.2	9.8	.2	5.7	.2	24.5	.2	53.2	96.	89.5
.4	9.5	.4	6.0	.4	25.0	.4	54.1	.2	90.1
.6	9.3	.6	6.4	.6	25.4	.6	54.9	.4	91.2
.8	9.0	.8	6.7	.8	25.9	.8	55.8	.8	91.7
57-	8.7	67.	7.1	77.	26.3	87.	56.6	97.	92.3
.2	8.4	.2	7.4	.2	26.8	.2	57.4	.2	92.8
-4	8.1	•4	7.8	.4	27.2	.4	58.3	.4	93.3
.6	7.8	.6	8.1	.6	27.7	.6	59.1	.6	93.9
.8	7.5	.8	8.5	.8	28.1	.8	60.0	.8	94.4
58.	7.2	68.	8.8	78.	28.6	88.	60.8	98.	94.9
.2	6.9	.2	9.1	.2	29.1	,2	61.6	.2	95.4
.6	$\begin{bmatrix} 6.6 \\ 6.3 \end{bmatrix}$	.6	9.5 9.8	.4	29.5	.4	62.5	.4	95.9
.8	6.0	.8	10.2	.6	30.0	.6	63,3		96.4
59.	5.7	69.	10.5		30.9	80.8	64.2 65.0		96.9
.2	5.4	.2	10.9	79.	31.4	89.	65.8		97.4
.4	5.1	.4	11.2	.4	31.9	.2	66.6		97.9 98.4
.6	4.8	.6	11.6	.6	32.4	.6	67.5		98.8
.8	4.5	.8	11.9	.8	32.9	.8	68.3	.8	99.3
60.	4.2	70.	12.3	80.	33.4	90.	00 2 1	100.	99.8
	1								
					07				

### TEMPERATURE 43°.

1									
Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts.&	Per
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
on	over	on	over	on	over	on	over	on	over
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
0.		10.	62.4	20.	53.1	30.	42.8	40.	31.2
.2		.2	62.2	.2	52.9	.2	42.6	.2	31.0
•4		•4	62.0	•4	$52.7 \\ 52.5$	.6	42.4 42.1	-4	30.7 30.5
.6		.6	$\begin{array}{c} 61.9 \\ 61.7 \end{array}$	.6	52.3	.8	42.1	.6 .8	30.2
1.		11.	61.5	21.	52.1	31.	41.7	41.	30.0
.2	69.9	.2	61.3	.2	51.9	.2	41.5	.2	29.8
.4	69.7	.4	61.1	.4	51.7	.4	41.3	.4	29.5
.6	69.6	.6	61.0	.6	51.6	.6	41.0	.6	29.3
.8	69.4	.8	60.8	.8	51.4	.8	40.8	.8	29.0
2.	69.2	I 2.	60.6	22.	51.2	32.	40.6	42.	28.8
.2	69.0	.2	60.4	.2	$\begin{bmatrix} 51.0 \\ 50.0 \end{bmatrix}$	.2	40.4	.2	28.5
•4	68. <b>9</b>	.4	60.2	•4	50.8	.4	40.2	•4	$\begin{bmatrix} 28.3 \\ 28.0 \end{bmatrix}$
.6	68.7 68.6	.6 .8	60.1 59.9	.6	50.6 50.4	.6	39.9 39.7	.6 .8	25.0
	68.4	13.	59.7	23.	50.4	33.	39.5	43.	27.5
3.	68.2	13.	59.5	.2	50.0	.2	39.3	43.	27.2
.4	68.1	.4	59.3	.4	49.8	.4	39.0	.4	27.0
.6	67.9	∥ .d .	59.2	.6	49.6	.6	38.8	.6	26.7
.8	67.8	.8	59.0	8	49.4	.8	38.5	.8	26.5
4.	67.6	14.	58.8	24.	49.2	34.	38.3	44.	26.2
.2	67.4	.2	58.6	.2	49.0	.2	38,1	.2	25.9
.4	67.2	.4	58.4	-4	48.8	•4	37.9	•4	25.7
.6	67.1	.6	58.3	.6	48.5	.6	37.6	.6	25.4 25.2
.8	66.9	.8	58.1	.8	48.3	.8	37.4	.8	$\frac{23.2}{24.9}$
5.	66.7 66.5	15.	57.9 57.7	25. .2	48.1 47.9	35.	37.2 37.0	45.	24.6
.2	66.4	.4	57.5	.4	47.7	.4	36.8	.4	24.4
.6	66.2	.6	57.4	.6	47.5	.6	36.5	.6	24.1
.8	66.1	.8	57.2	.8	47.3	.8	36.3	.8	23.9
6.	65.9	16.	57.0	26.	47.1	36.	36.1	46.	23.6
.2	65.7	.2	56.8	.2	46.9	.2	35.8	.2	23.3
.4	65.5	.4	56.6	•4	46.7	•4	35.6	•4	23.1
.6	65.4	.6	56.4	.6	46.4	.6	35.3	.6	22.8 22.6
.8	65.2	.8	56.2	.8	46.2	.8	35, 1	.8	22.6
7.	65.0	17.	56.0 55.8	27.	46.0 45.8	37.	34.8 34.6	47.	22.0
.2	64.8 64.7	.2	55.6	.2	45.6	li .	34.3	.4	21.8
.6	64.5	.6	55.5	.4 .6	45.4	.6	34.1	.6	21.5
.8	64.4	.8	55.3	.8	45.2	.8	33.8	.8	21.3
8.	64.2	18.	55.1	28.	45.0	38.	33.6	48.	21.0
.2	64.0	.2	54.9	.2	44.8	.2	33.4	.2	20.7
.4	63.8	.4	54.7	.4	44.6	•4	33.1	.4	20.4
.6	63.7	.6	54.5	,6	44.3	.6	32.9	.6	20.2
.8	63.5	.8	54.3	.8	44.1	.8	32.6	.8	19.9
9.	63.3	19.	54.1	29.	43.9	39.	32.4 32.2	49.	19.6 19.3
.2	63.1	.2	53.9	.2	43.7 43.5	.2	31.9	.2	19.1
.4	62.9	.4 .6	53.7 53.5	.6	43.2	.6	31.7	.6	18.8
.6 .8	62.8 62.6	.8	53.3	.8	43.0	.8	31.4	.8	18.6
10.	62.4	20.	53.1	30.	42.8	40.	31.2	50.	18.3
1									

### TEMPERATURE 43°.

								15	
	_	3771 .	D	Wts. &	Dom	Wts. &	Per	Wts. &	Per
Wts. &		Wts. &	Per				Cent.	Divs.	Cent.
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	under		under
ao	over	on	over	on	under	on		on	
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
		-	0.0		70.0	0	20.0		00.0
50.	18.3	60.	3.8	70.	12.6	80.	33.8	90.	69.3
.2	18 0	.2	3.5	.2	13.0	.2	34.3	.2	70.1
-4	17.7	.4	3.2	-4	13.4	•4	34.9	•4	70.9
.6	17.5	.6	2.9	.6	13.7	.6	35.4	.6	71.6
.8	17.2	.8	2.6	.8	14.1	.8	36.0	.8	72.4
51.	16.9	61.	2.3	71.	14.5	81.	36.5	91.	73.2
.2	16.6	.2	2.0	.2	14.9	.2	37.0	.2	73.9
	16.3	•4	1.7	.4	15.3	.4	37.6	.4	74.6
•4	16.1	.6	1.4	.6	15.6	.6	38.1	.6	75.4
.6		.8	1.1	.8	16.0	.8	38.7	.8	76.1
.8	15.8			4		82.	39.2		76.8
52.	15.5	62.	.8	72.	16.4		39.8	92.	
.2	15.2	.2	.5	.2	16.8	.2		.2	77.5
•4	14.9	•4	$\underline{.2}$	•4	17.2	•4	40.4	•4	78.2
.6	14.7	.6	.2	.6	17.5	.6	40.9	.6	78.8
.8	14.4	.8	.5	.8	17.9	.8	41.5	.8	79.5
53.	14.1	63.	.8	73.	18.3	83.	42.1	93.	80.2
.2	13.8	.2	1.1	.2	18.7	.2	42.7	.2	80.9
.4	13.5	.4	1.4	.4	19.1	.4	43.4	.4	81.5
.6	13.3	.6	1.8	.6	19.5	.6	44.0	.6	82.2
.8	13.0	.8	2.1	.8	19.9	.8	44.7	.8	82.8
	12.7		2.4		20.3	84.	45.3		83.5
54-	12.4	64.	2.7	74.	20.7		46.0	94.	84.1
.2		.2	3.0	.2	21.1	.2		.2	84.7
•4	12.1	.4		•4	01.1	•4	46.7	.4	
.6	11.8	.6	3.4	.6	21.5	.6	47.4	.6	85.4
.8	11.5	.8	3.7	.8	21.9	8.	48.1	.8	86.0
55.	11.2	65.	4.0	75.	22.3	85.	48.8	95.	86.6
.2	10.9	.2	4.3	.2	22.7	.2	49.6	.2	87.2
.4	10.6	.4	4.7	.4	23.1	.4	50.4	.4	87.8
.6	10.4	.6	5.0	.6	23.6	.6	51.2	.6	88.3
.8	10. l	.8	5.4	.8	24.0	.8	52.0	.8	88.9
56.	9.8	66.	5.7	76.	24.4	86.	52.8	96.	89.5
.2	9.5	.2	6.0	,2	24.8	.2	53.6	.2	90.1
.4	9.2	.4	6.4	.4	25,3	.4	54.5	.4	90.6
.6	9.0	.6	6.7	.6	25.7	.6	55.3	.6	91.2
.8	8.7	.8	7.1	.8	26.2	.8	56.2	.8	91.7
3 (	8.4		7.4	31	26.6		57.0		92.3
57-		67.		77.		87.		97.	
.2	8.1	.2	7.7	.2	27.1	.2	57.8	.2	92.8
.4	7.8	.4	8.1	•4	27.5	.4	58.6	1 .4	93.4
.6	7.5	.6	8.4	.6	28.0	.6	59.5	.6	93.9
.8	7.2	.8	8.8	.8	28.4	.8	60.3	.8	94.5
58.	6.9	68.	9.1	78.	28.9	88.	61.1	98.	95.0
.2	6.6	.2	9.4	.2	29.4	.2	61.9	,2	95.5
.4	6.3	.4	9.8	.4	29.9	-4	62.8	.4	96.0
.6	5.9	.6	10.1	.6	30.3	.6	63.6	.6	96.4
.8	5.6	.8	10.5	.8	30.8	.8	64.5	.8	96.9
59.	5.3	69.	10.8	79.	31.3	89.	65.3	99.	97.4
.2	5.0	.2	11.2	.2	31.8	.2	66.1	.2	97.9
•4	4.7	.4	11.5	.4	32.3	.4	66.9	.4	98.4
.6	4.4	.6	11.9	.6	32.8	1 .6	67.7	.6	98.8
.8	4.1	.8	12.2	.8	33.3	.8	68.5	.8	99.3
60.	3.8	70.	12.6	80.	33.8	90.	69.3	100.	99.8
1	0.0	10.	12.0	00.	00.0	90.	00.0	100.	30.0
I				1		1	1	,	-

## TEMPERATURE 44°.

XXT. A	1 0	7774 0	_	777. 0	_				
Wts. &		Wts. &		Wts. &		Wts. &		Wts. &	Per
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
on	over	on	over	on	over	on	over	on	over
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
11	·						2 10011	Outli.	1 1001.
0.	<b>!</b> —	10.	62.2	20.	52.8	30.	42.5	10	30.9
.2		.2	62.0	.2	52.6		42.3	40.	
			02,0		52.4	.2	42.0	.2	30.7
.4	-	.4	61.8	.4		.4	42.1	-4	30.4
.6	_	.6	61.7	.6	52.3	.6	41.8	.6	30.2
.8	_	.8	61.5	.8	52.1	.8	41.6	.8	29.9
I.	69.9	II.	61.3	21.	51.9	31.	41.4	41.	29.7
.2	69.7	,2	61.1	.2	51.7	.2	41.2	.2	29.5
-4	69.5	.4	60.9	.4	51.5	.4	41.0	•4	29.2
.6	69.4	.6	60.8	.6	51.4	.6	40.7	.6	29.0
.8	69.2	.8	60.6	.8	51.2	.8	40.5	.8	28.7
	69.0	1							20.7
2.		12.	60.4	22.	51.0	32.	40.3	42.	28.5
.2	68.8	.2	60.2	,2	50.8	.2	40.1	.2	28.2
-4	68.7	.4	60.0	.4	50.6	•4	39.9	•4	28.0
.6	68.5	.6	59.9	.6	50.4	.6	39.6	.6	27.7
.8	68.4	.8	59.7	.8	50.2	.8	39.4	.8	27.5
3.	68.2	13.	59.5	23.	50.0	33.	39.2	43.	27.2
.2	68.0	.2	59.3	.2	49.8	.2	39.0	43.	26.9
•4	67.8	.4	59.1	.4	49.6	.4	38.8		26.7
.6	67.7	.6	59.0	.6	49.4	.6	38.5	•4 •6	26.4
.8	67.5	.8	00.0	.8	49.2				20.4
	07.0		58.8		49.2	.8	38.3	.8	26.2
4.	67.3	14.	58.6	24.	49.0	34-	38.1	44.	25.9
.2	67.1	.2	58.4	.2	48.8	.2	37.9	.2	25.6
.4	67.0	.4	58.2	.4	48.6	.4	37.6	.4	25.4
.6	66.8	.6 .8	58.0	.6	48.3	.6	37.4	.6	25.1
.8	66.7	.8	57.8	.8	48.1	.8	37.1	.8	24.9
5.	66.5	15.	57.6	25.	47.9	35.	36.9	45.	24.6
.2	66.3	2	57.4	.2	47.7	.2	36.7	.2	24.3
	66.1	.4	57.0		47.5				24.1
.4		6	57.2	.4		.4	36.5	.4	27.1
.6	66.0	.8	57.1	.6	47.2	.6	36.2	.6	23.8
.8	65.8		56.9	.8	47.0	.8	36.0	.8	23.6
6.	65.6	16.	56.7	26.	46.8	36.	35.8	46.	23.3
.2	65.4	.2	56.5	.2	46.6	.2	35.5	.2	23.0
.4	65.3	.4	56.3	.4	46.4	.4	35.3	.4	22.8
.6	65.1	.6	56.2	.6	46.1	.6	35.0	.6	22.5
.8	65.0	.6	56.0	.8	45.9	.8	34.8	.8	22.3
7.	64.8	17.	55.8	27.	45.7	37.	34.5	47.	22.0
.2	64.6	2	55.6		45.5		34.3	4/.	21.7
	64.4			.2	45.3	.2	34.0		21.7
-4		.4	55.4	.4		.4		•4	21.0
.6	64.3	.6	55.2	.6	45.1	.6	33.8	.6	21.2
.8	64.1		55.0		44.9	.8	33.5	.8	21.0
8.	63.9	18.	54.8	28.	44.7	38.	33.3	48.	20.7
.2	63.7	.2	54.6	.2	44.5	.2	33.1	.2	20.4
.4	63.5	.4	54.4	.4	44.3	.4	32.8	-4	20.1
.6	63.4	.6	54.2	.6	44.0	.6	32.6	.6	19.9
.8	63.2	.8	54.0	.8	43.8	.8	32.3	.8	19.6
1	63.0				- 1		32.1		19.3
9.		19.	53.8	29.	43.7	39.		49.	
.2	62.8	.2	53.6	.2	43.4	.2	31.9	.2	19.0
-4	62.7	.4	53.4	•4	43.2	.4	31.6	•4	18.8
.6	62.5	.6	53.2	.6	42.9	.6	31.4	.6	18.5
.8	62.4	.8	53.0	.8	42.7	.8	31.1	.8	18.3
10.	62.2	20.	52.8	30.	42.5	40.	30.9	50.	18.0
9.0				9			1		
	- 11								

#### TEMPERATURE 44°.

				1					
Wts. &		Wts. &		Wts. &		Wts. &		Wts. &	
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent. under	Divs.	Cent. under
Stem.	over Proof.	on Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
Stem.	11001.	Ottali.			11001.	Joens.		Oten.	1 1001.
50.	18.0	60.	3.5	70.	13.0	80.	34.2	90.	69.5
.2	17.7	.2	3.2	.2	13.4	.2	34.7	.2	70.3
•4	17.4	•4	$\begin{bmatrix} 2.9 \\ 2.6 \end{bmatrix}$	•4	13.7 14.1	•4	35.2	•4	71.0
.6	17.2 16.9	.6 .8	2.0	.6	14.4	.6	35.8 36.3	.6 .8	71.8 72.5
51.	16.6	61.	2.0	71.	14.8	81.	36.8	91.	73.3
.2	16.3	.2	1.7	.2	15.2	.2	37.4	.2	74.0
.4	16.0	•4	1.4	•4	15.6	•4	37.9	•4	74.7
.6	15.8	.6	1.1	.6	15.9	.6	38.5	.6	75.5
.8	15.5 15.2	.8	.8 .5	.8	16.3 16.7	8.8	39.0 39.6	.8	76.2
52.	15.2	62.	.3	72.	17.1	82.	40.2	92.	76.9 77.6
.4	14.6	•4	-:-	.4	17.5	•4	40.8	.4	78.3
.6	14.4	.6	.5	.6	17.9	.6	41.3	.6	78.9
.8	14.1	.8	.8	.8	18.3	.8	41.9	.8	79.6
53.	13.8	63.	1.1	73.	18.7	83.	42.5	93.	80.3
.2	13.5	.2	1.4	.2	19.1	.2	43.1	.2	81.0
1 .4	13.2 13.0	•4	$\frac{1.7}{2.1}$	•4	19.5 19.9	•4	43.8 44.4	•4	81.6 82.3
.6	12.7	.6 .8	$\frac{2.1}{2.4}$	.6	20.3	.6 .8	45.1	.6	\$2.9 82.9
54.	12.4	64.	2.7	74.	20.7	84.	45.7	94.	83.6
.2	12.1	.2	3.0	.2	21.1	.2	46.4	.2	84.2
-4	11.8	•4	3.3	•4	21.5	.4	47.1	-4	84.8
.6	11.5	.6	3.7	.6	21.9	.6	47.8	.6	85.5
.8	11.2 10.9	.8	4.0	.8	22.3 22.7	.8	48.5 49.2	.8	86.1
55.	19.6	65.	4.3 4.6	75.	23.1	85.	50.0	95.	86.7 87.3
.4	10.3	.4	5.0	.4	23.5	.4	50.8	.4	87.9
.6	10.1	.6	5.3	.6	24.0	.6	51.6	.6	88.4
.8	9.8	.8	5.7	.8	24.4	.8	52.4	.8	89.0
56.	9.5	66.	6.0	76.	24.8	86.	53.2	96.	89.6
.2	9.2 8.9	.2	6.3	.2	25.2	.2	54.0	.2	90.1
.6	8.6	.4 .6	6.7 7.0	.6	$25.7 \\ 26.1$	.6	54.8 55.7	.4 .6	$90.7 \\ 91.2$
.8	8.3	.8	7.4	.8	26.6	.8	56.5	.8	91.8
57.	8.0	67.	7.7	77.	27.0	87.	57.3	97.	92.3
.2	7.7	.2	8.0	.2	27.5	.2	58.1	.2	92.8
1 .4	7.4	•4	8.4	.4	27.9	-4	58.9	.4	93.4
.6 .8	$\begin{bmatrix} 7.2 \\ 6.9 \end{bmatrix}$	.6	8.7 9.1	.6	28.4 28.8	.6	59.8 60.6	.6	93.9
58.	6.6	.8 68.	9.1	.8 78.	29.3	88.	61.4	98.	95.0
.2	63	.2	9.8	.2	29.8	.2	62.2	.2	95.5
•4	6.0	.4	10.1	.4	30.3	•4	63.0	.4	96.0
.6	5.7	.6	10.5	.6	30.7	.6	63.9	.6	96.5
.8	5.4	.8	10.8	.8	31.2	.8	64.7	.8	97.0
59.	5.1 4.8	69.	11.2 11.6	79.	31.7 32.2	89.	$\begin{array}{c} 65.5 \\ 66.3 \end{array}$	99.	97.5 98.0
.4	4.5	.2	11.0	.2	32.2	.2	67.1	.2	98.5
.6	4.1	.6	12.3	.6	33.2	.6	67.9	.6	98.9
.8	3.8	.8	12.6	.8	33.7	.8	68.7	.8	99.4
60.	3.5	70.	13.0	80.	34.2	90.	69.5	100.	99.9
			1			1			

# TEMPERATURE 45°.

					_				
Wts. &	D	3374 P.	D	TTT!	-	NAT.	n	777. 0	
		Wts. &		Wts. &	Per	Wts. &		Wts. &	
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
on	Over	on	over	on	over	on	over	on	over
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
		70	61.0		50 C		40.0		20.8
0.	-	10.	61.9	20.	52.6	30.	42.2	40.	30.7
.2		.2	61.7 61.5	.2	52.4	.2	42.0	.2	30.4
.6	70.0	.6	61.4	.4	$52.2 \\ 52.1$	.6	41.8 41.5	.4	30.2
.8	69.8	.8	61.2	.6	51.9		41.3	.6	29.9 29.7
	69.6	11.	61.0		51.7	.8	41.3 41.1	.8	29.4
I.	69.4	.2	60.8	21.	51.5	31.	40.9	41.	29.2
•4	69.3	•4	60.6	.4	51.3	1	40.7	.4	28.9
.6	69.1	.6	60.5	.6	51.1	.6	40.4	.6	28.7
.8	69.0	.8	60.3	.8	50.9	.8	40,2	.8	28.4
2.	68.8	12.	60.1	22.	50.7	32.	40.0	42.	28.2
.2	68.6	.2	59.9	.2	50.5	.2	39.8	.2	27.9
.4	68.5	.4	59.7	.4	50.3	.4	39.6	.4	27.7
.6	68.3	.6	59.6	.6	50.1	.6	39.3	.6	27.4
.8	68.2	.8	59.4	.8	49.9	.8	39.1	.8	27.2
3.	68.0	13.	59.2	23.	49.7	33.	38.9	43.	26.9
.2	67.8	.2	59.0	.2	49.5	.2	38.7	.2	26.6
.4	67.6	.4	58.8	.4	49.3	.4	38.5	.4	26.4
.6	67.5	.6	58.7	.6	49.1	.6	38.2	.6	26.1
.8	67.3	.8	58.5	.8	48.9	.8	38.0	.8	25.9
4.	67.2	14.	58.3	24.	48.7	34-	37.8	44.	25.6
.2	66.9	.2	58.1	.2	48.5	.2	37.6	.2	25.4
.4	66.8	.4	57.9	-4	48.3	.4	37.3	.4	25.1
.6	66.6	.6	57.8	.6	48.0	.6	37.1	.6	24.9
.8	66.5	.8	57.6	.8	47.8	.8	36.8	.8	24.6
5.	66.3	15.	57.4	25.	47.6	35.	36.6	45.	24.4
.2	66.1	.2	57.2	.2	47.4	.2	36.4	.2	24.1
.4	65.9	.4	57.0	.4	47.2	.4	36.2	-4	23.9
.6	65.8	.6	56.8	.6	46.9	.6	35.9	.6	23.6
.8	65.6	.8	56.6	.8	46.7	.8	35.7	.8	23.4
6.	65.4	16.	56.4	26.	46.5	36.	35.5	46.	23.1
.2	65.2	.2	56.2	.2	46.3	.2	35.3	.2	22.8
.4	65.0	.4	56.0	.4	46.1	-4	35.0	•4	22.5
.6	64.9	.6	55.9	.6	45.9	.6	34.8	.6	22.3
.8	64.7	.8	55.7	.8	45.7	.8	34.5	.8	22.0
7.	64.5	17.	55.5	27.	45.5	37-	34.3	47.	21.7
.2	64.3	.2	55.3	.2	45.3	.2	34.1	.2	21.4
•4	64.2	.4	55.1	.4	45, 1	.4	33.8	•4	21.1
.6	64.0	.6	55.0	.6	44.9	.6	33.6	.6	20.9
.8	63.9	.8	54.8	.8	44.7	.8	33.3	.8	20.6
8.	63.7	18.	54.6	28.	44.5	38.	33.1	48.	20.3
.2	63.5	.2	54.4	.2	44.3	.2	32.8	.2	$\frac{20.0}{19.8}$
-4	63.3	•4	54.2	.4	44.1	.4	32.6	•4	19.5
.6	63.2	.6	54.0	.6	43.8	.6	32.3 32.1	.6 .8	19.3
.8	63.0	.8	53.8	.8	43.6	.8	$\frac{32.1}{31.8}$	49.	19.0
9.	62.8	19.	53.6	29.	43.4	39.	31.6	49.	18.7
.2	62.6	.2	53.4	.2	43.2	.2	31.4	1 1	18.5
•4	62.4	•4	53.2	.4	42.9	.6	31.1	·4 .6	18.2
.6	62.3	.6	53.0	.6	42.7 42.4	.8	30.9	.8	18.0
.8	62.1	.8	52.8	.8	42.4	40.	30.7	50.	17.7
10.	61.9	20.	52.6	30.	34.4	40.	00.1	50.	
		ì		- 1		1			

## TEMPERATURE 45°.

11,		D	Wts. &	Dan	Wts. &	Dan	Wts. &	D.	Wts. 8	l D
	ts. &	Per Cent.	Divs.	Per Cent.	Divs.	Per Cent.	Divs.	Per Cent.		
	on	over	on	over	on on	under		under		under
	tem.	Proof.	Stem.	Proof.		Proof.		Proof		Proof.
										11001.
5	0.	17.7	60.	3.2	70.	13.4	80.	34.5	90.	69.7
	.2	17.4	.2	2.9	.2	13.8	.2	35.0	.2	70.5
	-4	17.1	•4	2.6	.4	(14.1	•4	35.6	.4	71.2
Ш	.6	16.9	.6	2.3	.6	14.5	.6	36.1	.6	72.0
Н.,	.8	16.6	.8	2.0	.8	14.8	8.	36.7	.8	72.7
5	I.	16.3 16.0	61.	1.7 1.4	71.	15.2 15.6	81.	37.2 37.7	91.	73.5
11	.2	15.7	·2 ·4	1.1	.2	16.0	.2	38.3	.2	74.2 74.9
Ш	.6	15.5	6	.8	.6	16.3	.6	38.8	.6	75.6
H	.8	15.2	.8	.5	.8	16.7	.8	39.4	.8	76.3
5:	2.	14.9	62.	.2	72.	17.1	82.	39.9	92.	77.0
	.2	14.6	.2	.1	.2	17.5	.2	40.5	.2	77.7
	.4	14.3	.4	.4	.4	17.9	.4	41.1	.4	78.4
	.6	14.1	.6	.8	.6	18.3	.6	41.6	.6	79.0
	.8	13.8	.8	1.1	,8	18.7	.8	42.2	.8	79.7
53		13.5	63.	1.4	73.	19.1	83.	42.8	93.	80.4
	.2	13.2	.2	1.7	.2	19.5	.2	43.5	.2	81.1
	.6	12.9 12.7	.4	2.1	.4	19.9	•4	44.1	-4	81.7
	.8	12.4	.6 .8	2.8	.6 .8	$\begin{bmatrix} 20.3 \\ 20.7 \end{bmatrix}$	.6 .8	44.8 45.4	.6	82.4
54		12.1	64.	3.1		21.1		46.1	.8	83.0
)4	.2	11.8	.2	3.4	74.	21.5	84.	45.8	94.	83.7
1	-4	11.5	-4	3.7	.4	21.9	.4	47.5	.4	84.9
	.6	11.2	.6	4.1	.6	22.3	.6	48.2	.6	85.5
	.8	10.9	.8	4.4	.8	22.7	.8	48.9	.8	86.1
55		10.6	65.	4.7	75.	23.1	85.	49.6	95.	86.7
	.2	10.3	.2	5.0	.2	23.5	.2	50.4	.2	87.3
	.6	10.0	•4	5.4	-4	23.9	-4	51.2	-4	87.9
	.8	9.4	.6	5.7 6.1	.6	24.4 24.8	.6	52.0	.6	88.4
56	.	9.1	66.	6.4	.8 76.	25.2	86.	52.8 53.6	.8	89.0
	.2	8.8	.2	6.7	.2	25.6	.2	54.4	96.	89.6 90.2
	.4	8.5	.4	7.1	.4	26.1	.4	55.2	.2	90.7
	.6	8.3	.6	7.4	.6	26.5	.6	56.0	.6	91.3
	.8	8.0	.8	7.8	.8	27.0	.8	56.8	.8	91.8
57		7.7	67.	8.1	77.	27.4	87.	57.6	97.	92.4
1	.2	7.4	•2	8.4	.2	27.9	.2	58.4	.2	92.9
	.6	7.1 6.8	.4	8.8	.4	28.3	-4	59.2	•4	93.4
	.8	6.5	.6	9.1 9.5	.6	28.8 29.2	.6	60.1	.6	94.0
58		6.2	68.	9.8	78.	29.7	88.	60.9	.8	94.5
	.2	5.9	.2	10.2	.2	30.2		62.5	98.	95.0 95.5
	.4	5.6	-4	10.5	.4	30.6		63.3	.2	96.0
	.6	5.3	.6	10.9	.6	31.1		64.2	.6	96.5
	.8	5.0		11.2	.8	31.5	.8	65.0	.8	97.0
59		4.8		11.6	79.	32.0	89.	65.8	99.	97.5
	.2	4.4		12.0	.2	32.5	.2	66.6	.2	98.0
	6	3.8		12.3 12.7	.4	33.0		67.4	-4	98.5
	8	3.5		13.0	.6 .8	33.5		68.1		98.9
60.		11			80.	34.5		68.9 69.7		99.4
	- 1					2.0	90.	00.7	100,	99.9

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### TEMPERATURE 46°.

Wts, &   Per   Divs.   Cent.   On   Over   Stem.   Proof.   Proof.   Stem.   Proof.   Stem.   Proof.   Proof.   Proof.   Pr		-		1		3	1	1	1	
Divs.   Cent.   On   Over   Stem.   Proof.   Stem.   Pr	W+o &	Per	Wts. &	Per	Wts.&	Per			Wts. &	
On Stem.         Over Proof.         Stem.         Proof. Proof.         Stem.         Proof. Stem.         Stem. S	1				Divs.					
O.         —         10.         61.7         20.         52.4         30.         41.9         40.         30.4           4.         69.9         .4         61.3         .4         52.0         .2         52.2         .2         41.8         .2         30.1           8.         69.6         .6         61.2         .6         51.8         .6         41.3         .6         29.9         .6         29.9         .6         29.9         .6         29.9         .6         29.9         .6         29.9         .6         29.9         .6         29.9         .6         29.9         .6         29.9         .6         29.9         .6         29.9         .6         29.9         .6         29.9         .6         .6         .8         41.1         .2         29.9         .4         .6         .6         .8         .6         .8         .9         .2         28.6         .4         .6         .6         .8         .9         .2         28.6         .4         .6         .6         .8         .9         .2         .2         .8         .8         .8         .8         .8         .8         .2         .2         .2 <t< td=""><td></td><td>over</td><td></td><td></td><td>on</td><td></td><td></td><td></td><td>Storm</td><td></td></t<>		over			on				Storm	
Decomposition   Color   Colo		Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	1 1001.
Decomposition   Color   Colo				61.7		59.4	20.	41.9	40.	30.4
			ik .		1				1 1	
. 6		60.0	1			52.0	11	41.6		
Section   Sect	1 .4		6			51.8				
1.         69.4         11.         60.8         21.         51.2         2 40.9         41.         22.89         42.28.6           4         69.1         .4         60.4         .4         40.5         .4         40.5         .4         22.89.9         .4         40.5         .4         28.6         .4         28.6         .6         60.3         .6         50.8         .6         640.2         .6         24.0         .6         28.4         .6         28.4         .6         8.6         .6         50.8         .8         40.0         .8         28.1         22.9         .9         .2         50.6         .8         40.0         .8         28.1         .2         27.0         .2         <	.8		.8	61.0			AR .			
1.2			II.		21.					29.1
1.4		69.2	.2		H				54	
8         68.8         8         60.1         8         50.6         39.8         32.         39.8         22.         27.6         22.         50.4         32.         39.8         42.         27.9         27.6         4.4         39.3         42.         27.9         42.         27.6         4.4         39.3         42.         27.6         4.4         39.3         4.2         27.4         4.6         4.6         4.59.5         4.4         4.8         39.3         4.2         27.4         4.2         27.4         4.4         59.0         3.8         39.1         4.2         27.4         4.2         27.4         4.6         66.7         2.5         58.8         2.2         49.2         3.3         38.6         38.8         26.9         27.1         4.2         27.4         4.4         58.6         4.4         49.0         4.3         38.8         8.2         26.9         22.6         3.3         38.6         43.2         22.7         4.2         26.9         25.8         8.8         26.9         26.9         26.9         26.9         25.8         8.8         26.9         4.2         27.6         2.2         27.6         27.6         2.2         27.6	.4		.4	60.4						
2.         68.6         12.         59.9         22.         50.4         32.         39.8         42.         27.9           4.         68.2         .4         59.5         .4         50.0         .4         39.3         .4         27.4           .6         68.1         .6         59.4         .6         49.8         .6         39.1         .6         27.1           .8         67.9         .8         59.2         .8         49.6         .8         38.8         38.8         22.06.6           .8         67.7         13.         59.0         23.         49.4         33.         38.6         43.2         26.6           .4         67.4         .4         48.8         8.8         38.8         43.2         26.6           .8         67.1         .8         58.5         .6         48.8         .6         37.7         .2         26.3           .4         66.9         14.         58.1         24.         48.2         23.7         .4         48.2         37.3         .4         26.6         .2         25.8         .4         25.3         .4         24.8         .2         23.3         .3         .		68.9	0.0				8			
2.         68.4         .2         59.7         .2         50.2         .2         39.6         .2         27.4         27.4         27.4         27.4         27.4         39.3         .4         27.4         27.4         49.8         .6         39.1         .6         27.1         27.4         28.8         28.9         27.4         28.8         28.9         27.4         28.8         26.9         38.8         38.8         38.8         38.8         28.2         29.2         26.3         38.4         43.2         27.6         43.7         28.8         26.9         43.7         43.8         24.2         27.3         37.2         28.7         28.7         29.4	l t		11	50.0	Н		11			27.9
.4       68.2       .4       59.5       .4       50.0       .6       39.1       .6       27.1         .6       68.1       .6       59.4       .8       49.8       .6       39.1       .6       27.1         .8       67.9       .8       59.2       .8       49.6       .8       38.8       8.8       26.9         3.       67.7       13.       59.0       23.       49.4       33.2       38.4       20.6       26.6         .4       67.4       .6       58.5       .6       48.8       .8       38.7       .8       26.3         .8       67.1       .8       58.3       .8       48.6       .8       37.7       .8       25.8         .8       67.1       .8       58.5       .6       48.8       .8       37.7       .8       25.8         .8       66.9       14.       58.1       24.       48.4       .4       37.0       .4       24.8         .4       66.6       .4       57.7       .4       48.0       .4       37.0       .4       24.8         .5       66.1       15.5       57.2       25.       47.1       .2					11					
1.6			11	F	11	1 200	.4	39.3	1.4	
.8         67.9         .8         59.2         .8         49.6         .8         38.8         38.6         .2         20.9         20.6         3         32.         38.6         33.         38.6         43.         20.6         20.6         20.6         38.6         49.2         33.         38.4         32.         26.6         20.3         49.2         38.2         4.4         25.8         26.1         20.3         49.2         37.9         .6         25.8         26.1         20.3         37.9         .6         25.8         25.6         37.9         .6         25.8         25.6         37.9         .6         25.8         25.6         37.9         .6         25.8         25.6         37.9         .6         25.8         25.6         37.9         .6         25.8         25.6         48.2         37.7         .8         25.8         25.6         48.2         37.9         .6         25.8         25.6         37.9         .6         25.8         25.6         48.2         37.3         .2         25.8         25.6         37.9         .4         24.8         24.8         24.9         24.8         24.8         24.9         24.8         24.8         24.9 <t< td=""><td></td><td>68.1</td><td>6</td><td></td><td>.6</td><td>49.8</td><td>.6</td><td>39.1</td><td>.6</td><td></td></t<>		68.1	6		.6	49.8	.6	39.1	.6	
3.       67.7       13.       59.0       23.       49.2       33.       38.4       4.2       26.3       26.3       38.4       26.1       26.3       38.4       26.1       26.3       26.3       38.4       26.1       26.3       26.3       26.1       38.2       37.7       38.4       26.1       25.8       26.3       26.1       26.3       26.1       26.3       26.1       26.3       26.1       26.3       38.4       26.1       26.3       26.1       26.3       26.1       26.3       26.1       26.3       26.1       26.3       26.1       26.1       26.3       37.9       28.2       25.6       26.1       25.8       25.6       25.6       26.9       27.2       26.7       27.2       26.7       27.2       2	8			59.2			61	38.8		
.2       67.5       .2       58.8       .2       49.2       .4       38.2       .4       26.1       .6       67.4       .4       58.6       .4       49.0       .4       38.2       .4       25.8       .8       26.1       .6       25.8       .8       24.9       .4       38.2       .4       25.8       .8       25.6       .8       25.6       .8       25.6       .8       25.8       .8       25.8       .8       26.1       .4       25.8       .8       25.8       .8       25.6       .8       25.8       .8       25.6       .8       25.8       .8       25.6       .8       25.3       .8       25.3       .8       25.3       .8       25.3       .8       25.3       .8       25.3       .8       25.3       .8       25.3       .8       25.3       .8       25.3       .4       24.9       .4       37.0       .4       24.8       .4       25.3       .8       .2       25.1       .4       24.8       .4       .2       25.1       .4       .2       .5       .3       .6       .2       .5       .3       .6       .2       .5       .3       .6       .2       .5 <td< td=""><td></td><td>67.7</td><td></td><td>59.0</td><td></td><td>100</td><td>33.</td><td>1</td><td></td><td></td></td<>		67.7		59.0		100	33.	1		
.4       67.4       .4       58.5       .6       58.5       .6       48.8       .6       37.9       .6       25.8       25.3       25.3       25.3       27.3 <td></td> <td>67.5</td> <td>.2</td> <td>-00</td> <td>- In</td> <td>100</td> <td></td> <td>1</td> <td>- 13</td> <td></td>		67.5	.2	-00	- In	100		1	- 13	
$ \begin{bmatrix} .6 & 67.2 \\ .8 & 67.1 \\ 4 & 66.9 \\ .2 & 66.7 \\ .4 & 66.6 \\ .6 & 66.4 \\ .8 & 66.3 \\ .8 & 65.1 \\ .2 & 65.9 \\ .2 & 65.9 \\ .2 & 65.0 \\ .2 & 65.0 \\ .3 & 64.5 \\ .3 & 64.5 \\ .4 & 55.7 \\ .4 & 55.8 \\ .3 & 64.5 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.4 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.4 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.4 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.4 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.4 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.4 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.4 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.4 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.4 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.4 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.3 \\ .2 & 63.4 \\ .2 & 63.4 \\ .2 & 63.4 \\ .2 & 63.4 \\ .2 & 63.4 \\ .2 & 63.4 \\ .2 & 63.4 \\ .2 & 63.4 \\ .2 & 63.4 \\ .2 & 63.4 \\ .2 & 63.4 \\ .2 & 63.4 \\ .2 & 63.4 \\ .2 & 63.4 \\ .2 & 63.2 \\ .2 & 63.3 \\ .2 & 63.4 \\ .2 & 63.4 \\ .2 & 63.4 \\ .2 & 63.4 \\ .2 & 63.4 \\ .2 & 63.4 \\ .2 & 63.4 \\ .2 & 63.4 \\ .2 & 63.4 \\ .2 & 63.4 \\ .2 & 63.4 \\ .2 & 63.4 \\ .2 & 63.4 \\ .2 & 63.4 \\ .2 & 63.2 \\ .2 & 63.3 \\ .2 & 62.4 \\ .2 & 63.2 \\ .2 & 63.3 \\ .2 & 63.4 \\ .2 & 63.4 \\ .2 & 63.2 \\ .3 & 61.9 \\ .2 & 63.2 \\ .3 & 61.9 \\ .3 & 61.9 \\ .3 & 61.9 \\ .3 & 61.9 \\ .3 & 61.9 \\ .3 & 61.9 \\ .3 & 63.6 \\ .3 & 63.5 \\ .3 & 63.7 \\ .3 & 61.9 \\ .3 & 61.9 \\ .3 & 61.9 \\ .3 & 61.9 \\ .3 & 61.9 \\ .3 & 61.9 \\ .3 & 61.9 \\ .3 & 61.9 \\ .3 & 61.9 \\ .3 & 61.9 \\ .3 & 61.9 \\ .3 & 61.9 \\ .3 & 61.9 \\ .3 & 63.5 \\ .3 & 61.9 \\ .3 & 61.9 \\ .3 & 61.9 \\ .3 & 61.9 \\ .3 & 61.9 \\ .3 & 61.9 \\ .3 & 61.9 \\ .3 & 61.9 \\ .3 & 61.9 \\ .3 & 61.9 \\ .3 & 61.9 \\ .3 & 61.9 \\ .3 & 61.9 \\ .3 & 61.9 \\ .3 & 61.9 \\ .3 & 63.5 \\ .4 & 63.1 \\ .4 & 63.1 \\ .4 & 63.1 \\ .5 & 64.2 \\ .5 & 64.2 \\ .5 & 64.2 \\ .5 & 64.2 \\ .5 & 64.2 \\ .5 & 64.2 \\ .5 & 64.2 \\ .5$	.4		1 .4			1				
1.8	.6		.6						.8	25.6
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	.8		- 11	1 ~0 1	- 1		1.0	37.5	44.	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				0	11	40.0		37.3		
$ \begin{bmatrix} .76 & 66.4 & $				an 100 PT		48.0	1 .4	37.0		
8         66.3         8         57.4         8         47.5         36.3         36.3         45.         24.1           5.         65.9         .2         57.0         .2         57.0         .4         35.9         .4         36.1         .2         23.6           .4         65.7         .4         56.8         .4         46.9         .4         35.9         .4         23.6           .8         65.4         .8         56.4         .8         46.7         .6         35.6         .6         23.3           .8         65.2         .2         56.0         .8         46.7         .8         35.4         .8         23.1           .6         65.2         .2         56.0         .2         46.1         .2         35.0         .8         22.8           .2         65.0         .2         56.2         .2         46.1         .2         35.0         .2         22.9           .4         64.8         .4         45.9         .4         45.9         .4         43.7         .6         22.0           .8         64.5         .8         55.5         .8         45.5         .8         33.			1 6			47.7	.6	36.8	0.	
5.         66.1         15.         57.0         25.0         47.1         35.9         36.1         22.2         23.8         23.6         23.3         23.6         23.3         23.6         23.3         23.6         23.3         23.6         23.3         23.6         23.8         23.6         23.8         23.6         23.8         23.6         23.8         23.6         23.8         23.6         23.8         23.6         23.8         23.6         23.8         23.6         23.8         23.6         23.8         23.6         23.8         23.6         23.8         23.6         23.8         23.6         23.8         23.6         23.3         24.8         24.8         24.8         24.8         24.8         24.8         23.6         23.3         23.1         24.8         24.8         24.8         23.6         23.3         23.1         24.8         24.8         24.8         23.6         23.3         23.1         24.8         24.8         24.8         24.9         24.8         24.8         22.5         22.5         22.5         22.5         22.5         22.5         22.5         22.5         22.5         22.5         22.5         22.5         22.5         22.5         22.5         22	.8	66.3	.s	57.4			12	0.0	45	
.2       65.9       .2       57.0       .4       46.9       .4       35.9       .4       23.6         .6       65.6       .8       56.8       .6       46.7       .8       35.9       .4       23.6         .8       65.4       .8       56.4       .8       46.7       .8       35.4       .8       23.1         .6       .65.2       .2       56.0       .2       56.0       .2       46.5       .8       35.4       .8       23.1         .4       64.8       .4       55.8       .2       46.5       .2       35.0       .4       46.       22.8         .4       64.8       .4       55.8       .4       45.7       .4       34.5       .4       22.2         .4       64.5       .8       55.5       .8       45.5       .8       34.2       .8       21.7         .5       .6       43.5       .8       34.2       .3       .8       22.0         .4       64.3       .7       .8       55.5       .8       45.5       .8       33.2       .2       21.4         .4       64.3       .7       .8       54.9       .4 </td <td></td> <td>+66.1</td> <td>15.</td> <td>57.2</td> <td>25.</td> <td>4 200 3</td> <td></td> <td>1 00 1</td> <td></td> <td></td>		+66.1	15.	57.2	25.	4 200 3		1 00 1		
.4       65.6       .8       .8       .8       .35.4       .8       .23.3       .8       .22.8       .22.8       .22.8       .22.8       .22.5       .4       .4       .6       .2       .6       .4       .8       .2       .4       .4       .2       .2       .5       .2       .4       .4       .4       .2			.2			100		1 ~~ ^	.4	
.8       65.4       .8       56.4       .8       26.4       .8       35.4       35.2       .8       22.8         .2       65.0       .2       56.0       .2       46.1       .4       35.2       .4       .4       22.8         .4       64.8       .4       55.8       .4       45.9       .4       34.7       .6       22.0         .6       64.7       .8       55.5       .8       45.5       .8       34.5       .8       22.2         7.       64.3       17.       55.3       27.       45.3       37.       34.0       47.       21.4         .2       64.1       .2       55.1       .2       45.1       .4       33.5       .4       20.8         .2       64.1       .4       54.9       .6       44.9       .4       .4       .2       21.1         .4       64.0       .6       54.8       .6       54.8       .8       33.3       .6       20.6         .8       63.7       18.       54.4       28.       44.2       38.       32.8       48.       20.0         .8       62.8       .8       53.8       .8				1		1	16	35.6	.6	
6.       65.2 cm       65.2 cm       16. cm       56.2 cm       26. dm       46.3 dm       36. cm       35.2 dm       46. cm       22.5 dm       22.2 dm       22.2 dm       22.2 dm       22.2 dm       22.2 dm       22.0 dm       22.5 dm       22.2 dm       22.2 dm       22.0 dm       22.0 dm       22.0 dm       22.0 dm       22.0 dm       22.1 dm					- 11			35.4	.8	
$ \begin{bmatrix} .2 & 65.0 \\ .4 & 64.8 \\ .6 & 64.7 \\ .8 & 64.5 \\ .2 & 64.1 \\ .2 & 64.1 \\ .4 & 64.0 \\ .6 & 63.8 \\ .8 & 63.7 \\ .8 & 63.5 \\ .8 & 63.5 \\ .8 & 63.5 \\ .8 & 63.5 \\ .8 & 63.5 \\ .8 & 63.6 \\ .8 & 63.8 \\ .8 & 63.6 \\ .8 & 63.8 \\ .8 & 63.8 \\ .8 & 63.8 \\ .8 & 63.5 \\ .2 & 64.1 \\ .4 & 64.0 \\ .6 & 63.8 \\ .8 & 63.5 \\ .8 & 63.5 \\ .8 & 63.5 \\ .8 & 63.5 \\ .2 & 54.0 \\ .2 & 53.0 \\ .2 & 53.2 \\ .2 & 62.4 \\ .2 & 62.2 \\ .4 & 62.2 \\ .4 & 62.2 \\ .4 & 62.2 \\ .4 & 62.2 \\ .4 & 62.2 \\ .4 & 62.2 \\ .4 & 62.2 \\ .4 & 63.1 \\ .8 & 61.9 \\ \end{bmatrix} $				56.2		1 4/4 0	11	35.2		1 00 5
$ \begin{bmatrix} .2 \\ .4 \\ .6 \\ .6 \\ .4.7 \\ .8 \\ .64.5 \\ .8 \\ .64.5 \\ .8 \\ .8 \\ .64.5 \\ .8 \\ .8 \\ .2 \\ .2 \\ .4 \\ .6 \\ .8 \\ .8 \\ .8 \\ .8 \\ .8 \\ .8 \\ .8$		0 = 0				46.1				00.0
$ \begin{bmatrix} .6 & 64.7 \\ .8 & 64.5 \\ 7. & 64.3 \\ .2 & 64.1 \\ .4 & 64.0 \\ .6 & 63.8 \\ .8 & 63.7 \\ 8. & 63.5 \\ .2 & 63.3 \\ .2 & 64.0 \\ .2 & 64.0 \\ .8 & 63.5 \\ .2 & 63.3 \\ .2 & 55.6 \\ .2 & 62.4 \\ .2 & 62.2 \\ .4 & 62.2 \\ .6 & 62.1 \\ .8 & 61.9 \\ \end{bmatrix} \begin{bmatrix} .6 & 55.7 \\ .8 & 55.5 \\ .55.5 \\ .8 & 55.5 \\ .5 & 45.5 \\ .2 & 45.3 \\ .2 & 45.1 \\ .4 & 44.9 \\ .4 & 44.9 \\ .4 & 44.9 \\ .4 & 44.9 \\ .4 & 44.9 \\ .4 & 44.9 \\ .4 & 44.9 \\ .4 & 44.9 \\ .4 & 44.9 \\ .4 & 44.9 \\ .4 & 44.9 \\ .4 & 44.9 \\ .2 & 44.0 \\ .2 & 44.0 \\ .2 & 44.0 \\ .2 & 44.0 \\ .2 & 44.0 \\ .2 & 44.0 \\ .2 & 43.8 \\ .3 & 32.8 \\ .4 & 32.3 \\ .4 & 62.2 \\ .4 & 53.0 \\ .4 & 42.7 \\ .4 & 62.2 \\ .4 & 53.0 \\ .8 & 61.9 \\ \end{bmatrix} \begin{bmatrix} .6 & 52.8 \\ .8 & 52.6 \\ .8 & 42.2 \\ .8 & 42.2 \\ .8 & 42.2 \\ .8 & 30.6$	11	1 04 0		55.8	.4			34.7		1
$ \begin{bmatrix} .8 & 64.5 \\ 7. & 64.3 \\ .2 & 64.1 \\ .4 & 64.0 \\ .6 & 63.8 \\ .8 & 63.7 \\ 8. & 63.5 \\ .2 & 63.3 \\ .2 & 65.6 \\ .8 & 62.8 \\ .8 & 62.8 \\ .8 & 62.8 \\ .8 & 62.2 \\ .4 & 62.2 \\ .4 & 62.2 \\ .8 & 61.9 \\ \end{bmatrix} \begin{bmatrix} .8 & 55.5 \\ .55.3 \\ .7. & 45.3 \\ .27. & 45.3 \\ .27. & 45.3 \\ .45.3 \\ .27. & 45.3 \\ .45.3 \\ .45.3 \\ .27. & 45.3 \\ .45.3 \\ .45.3 \\ .27. & 45.3 \\ .45.3 \\ .27. & 45.3 \\ .28. & 44.4 \\ .28. & 44.4 \\ .28. & 44.4 \\ .29. & 43.8 \\ .29. & 43.1 \\ .29. & 43.1 \\ .29. & 43.1 \\ .29. & 42.9 \\ .29. & 43.1 \\ .29. & 42.9 \\ .29. & 43.1 \\ .29. & 42.9 \\ .29. & 43.1 \\ .29. & 42.9 \\ .29. & 43.1 \\ .29. & 42.9 \\ .29. & 43.1 \\ .29. & 42.9 \\ .29. & 43.1 \\ .29. & 42.9 \\ .29. & 43.1 \\ .29. & 42.9 \\ .29. & 43.1 \\ .29. & 42.9 \\ $		1	.6	55.7	$\cdot$ . $\epsilon$	45.7		34.0		
$ \begin{bmatrix} 7. & 64.3 & 17. & 55.3 & 27. & 43.3 & 37. & 33.8 & .2 & 21.1 \\ .4 & 64.0 & .4 & 54.9 & .6 & 44.6 & .6 & .33.3 & .6 & 20.6 \\ .6 & 63.8 & .8 & 54.6 & .8 & 44.4 & .8 & .8 & 33.0 & .8 & 20.3 \\ .8 & 63.5 & 18. & 54.4 & 28. & 44.2 & .2 & 32.6 & .2 & 19.7 \\ .2 & 63.3 & .4 & 54.0 & .4 & 43.8 & .4 & 32.3 & .4 & 19.5 \\ .4 & 63.1 & .4 & 54.0 & .4 & 43.8 & .4 & 32.3 & .4 & 19.5 \\ .6 & 63.0 & .6 & 53.8 & .8 & 43.3 & .8 & 31.8 & .8 & 19.0 \\ .8 & 62.8 & .8 & 53.6 & .8 & 43.3 & .9 & .31.6 & .9 & 18.7 \\ .2 & 62.4 & .2 & 53.2 & .2 & 42.9 & .2 & 31.4 & .2 & 18.4 \\ .4 & 62.2 & .4 & 53.0 & .4 & 42.7 & .6 & 30.9 & .6 & 17.9 \\ .6 & 62.1 & .6 & 52.8 & .8 & 42.2 & .8 & 30.6 & .8 & 17.6 \\ .8 & 61.9 & .8 & 52.6 & .8 & 42.2 & .8 & 30.6 & .8 & 17.6 \\ .8 & 61.9 & .8 & 52.6 & .8 & 42.2 & .8 & 30.6 & .8 & 17.6 \\ .8 & 61.9 & .8 & 52.6 & .8 & 42.2 & .8 & 30.6 & .8 & 17.6 \\ .8 & 61.9 & .8 & 52.6 & .8 & 42.2 & .8 & 30.6 & .8 & 17.6 \\ .8 & 61.9 & .8 & 52.6 & .8 & 42.2 & .8 & 30.6 & .8 & 17.6 \\ .8 & 61.9 & .8 & 52.6 & .8 & 42.2 & .8 & 30.6 & .8 & 17.6 \\ .8 & 61.9 & .8 & 52.6 & .8 & 42.2 & .8 & 30.6 & .8 & 17.6 \\ .8 & 61.9 & .8 & 52.6 & .8 & 42.2 & .8 & 30.6 & .8 & 17.6 \\ .8 & 61.9 & .8 & 52.6 & .8 & 42.2 & .8 & 30.6 & .8 & 17.6 \\ .8 & 61.9 & .8 & 52.6 & .8 & 42.2 & .8 & 30.6 & .8 & 17.6 \\ .8 & 61.9 & .8 & 52.6 & .8 & 42.2 & .8 & 30.6 & .8 & 17.6 \\ .8 & 61.9 & .8 & 52.6 & .8 & 42.2 & .8 & 30.6 & .8 & 17.6 \\ .8 & 61.9 & .8 & 52.6 & .8 & 42.2 & .8 & 30.6 & .8 & 50.6 \\ .8 & 61.9 & .8 & 52.6 & .8 & 42.2 & .8 & 30.6 & .8 & 50.6 \\ .8 & 61.9 & .8 & 52.6 & .8 & 42.2 & .8 & 30.6 & .8 & 50.6 \\ .8 & 61.9 & .8 & 52.6 & .8 & 42.2 & .8 & 30.6 & .8 & 50.6 \\ .8 & 61.9 & .8 & 52.6 & .8 & 42.2 & .8 & 30.6 & .8 & 50.6 \\ .8 & 61.9 & .8 & 52.6 & .8 & 42.2 & .8 & 30.6 & .8 & 50.6 \\ .8 & 61.9 & .8 & 52.6 & .8 & 42.2 & .8 & 30.6 & .8 & 50.6 \\ .8 & 61.9 & .8 & 52.6 & .8 & 42.2 & .8 & 30.6 & .8 & 50.6 \\ .8 & 61.9 & .8 & 52.6 & .8 & 42.2 & .8 & 30.6 & .8 & 50.6 \\ .8 & 61.9 & .8 & 52.6 & .8 & 42.2 & .8 & 30.6 & .8 & 50.6 \\ .8 & 61.9 & .8 & 52.6 & .8 & 42.2 & .8 & 30.6 & .$	.8		3.	3 + 55.5		1		1 45 4 6		
$ \begin{bmatrix} .2 & 64.1 \\ .4 & 64.0 \\ .6 & 63.8 \\ .8 & 63.7 \\ 8. & 63.5 \\ .2 & 63.3 \\ .4 & 63.1 \\ .6 & 63.0 \\ .8 & 62.8 \\ .8 & 63.7 \\ .2 & 62.4 \\ .2 & 62.2 \\ .4 & 63.1 \\ .8 & 61.9 \\ \end{bmatrix} \begin{bmatrix} .2 & 53.1 \\ .4 & 44.9 \\ .4 & 44.9 \\ .4 & 44.9 \\ .6 & 44.6 \\ .8 & 44.2 \\ .2 & 44.0 \\ .2 & 44.0 \\ .2 & 43.8 \\ .4 & 43.8 \\ .4 & 43.8 \\ .4 & 43.8 \\ .8 & 43.3 \\ .8 & 32.8 \\ .8 & 32.8 \\ .8 & 32.8 \\ .2 & 44.0 \\ .2 & 32.3 \\ .4 & 63.1 \\ .6 & 63.0 \\ .8 & 62.8 \\ .8 & 53.6 \\ .8 & 43.3 \\ .9 & 62.6 \\ .2 & 53.2 \\ .2 & 42.9 \\ .2 & 62.4 \\ .2 & 53.0 \\ .8 & 62.8 \\ .8 & 52.6 \\ .8 & 61.9 \\ \end{bmatrix} \begin{bmatrix} .2 & 43.1 & 33.5 & .4 & 20.8 \\ .8 & 44.4 & 33.3 & .8 & 33.0 \\ .8 & 32.8 & 32.8 & 48. & 20.0 \\ .2 & 32.3 & .4 & 19.5 \\ .3 & 32.3 & .4 & 19.5 \\ .3 & 32.1 & .6 & 19.2 \\ .3 & 31.8 & .8 & 19.0 \\ .3 & 31.6 & .2 & 18.4 \\ .2 & 53.0 & .4 & 42.7 & .4 & 31.1 \\ .4 & 62.2 & .4 & 53.0 & .4 & 42.7 \\ .6 & 62.1 & .6 & 52.8 & .8 & 42.2 \\ .8 & 61.9 & .8 & 52.6 & .8 \\ .8 & 61.9 & .8 & 52.6 & .8 & 42.2 \\ .8 & 61.9 & .8 & 52.6 & .8 & 42.2 \\ .8 & 61.9 & .8 & 52.6 & .8 & 42.2 \\ .8 & 61.9 & .8 & 52.6 & .8 & 42.2 \\ .8 & 61.9 & .8 & 52.6 & .8 & 42.2 \\ .8 & 61.9 & .8 & 52.6 & .8 \\ .8 & 61.9 & .8 & 52.6 & .8 \\ .8 & 61.9 & .8 & 52.6 & .8 \\ .8 & 61.9 &$	11	64.3		1 3		4 10 3				21.1
$ \begin{bmatrix} .4 & 64.0 \\ .6 & 63.8 \\ .8 & 63.7 \\ 8. & 63.5 \\ 18. & 54.4 \\ .2 & 63.3 \\ .4 & 63.1 \\ .6 & 63.0 \\ .8 & 62.8 \\ .8 & 62.8 \\ .8 & 62.2 \\ .4 & 63.1 \\ .8 & 61.9 \\ \end{bmatrix} \begin{bmatrix} .4 & 54.9 \\ .6 & 54.8 \\ .8 & 54.6 \\ .8 & 54.6 \\ .2 & 44.0 \\ .2 & 44.$	.2	64.1				1 44 0	1 .4	33.5	.4	20.8
.6       .8       .8       .8       .4.4       .8       .8       .3.0       .8       .20.3         8.       .63.5       18.       .54.4       28.       .44.2       .8       .32.6       .2       .9       .2       .40.0       .4       .40.0       .2       .32.6       .2       .2       .9       .40.0       .2       .32.3       .4       .4       .19.5       .4       .9       .2       .32.1       .6       .6       .19.2       .8       .43.3       .8       .31.8       .8       .19.0       .8       .19.0       .8       .19.0       .2       .43.1       .39.       .31.6       .8       .18.7       .18.7       .2       .18.7       .2       .18.7       .2       .18.7       .2       .18.4       .2       .18.7       .2       .18.4       .18.7       .2       .18.4       .2       .18.4       .2       .18.4       .2       .18.4       .2       .18.4       .2       .18.4       .2       .18.4       .2       .18.4       .2       .18.4       .2       .18.4       .2       .2       .31.4       .2       .31.4       .2       .18.4       .18.7       .2       .31.4       .31.1 <td< td=""><td>.4</td><td></td><td></td><td>5 54 8</td><td></td><td></td><td>3   .6</td><td><math>\frac{1}{3}</math> 33.3</td><td>.6</td><td>20.6</td></td<>	.4			5 54 8			3   .6	$\frac{1}{3}$ 33.3	.6	20.6
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	.6	63.8		8 54.0		3 44.4	1 .8	33.0	. 11	20.3
$ \begin{bmatrix} 3. & 63.3 & 2 & 54.2 & 2 & 44.0 & 2 & 32.5 & 2 \\ 4 & 63.1 & 4 & 54.0 & .4 & 43.8 & .4 & 32.3 & .4 & 19.5 \\ .6 & 63.0 & .6 & 53.8 & .6 & 43.5 & .6 & 32.1 & .6 & 19.2 \\ .8 & 62.8 & .8 & 53.6 & .8 & 43.3 & .8 & 31.8 & .8 & 19.0 \\ 9. & 62.6 & 19. & 53.4 & 29. & 43.1 & 39. & 31.6 & .2 & 18.4 \\ .2 & 62.4 & .2 & 53.2 & .2 & 42.9 & .2 & 32.1 & .8 & 19.0 \\ .4 & 62.2 & .4 & 53.0 & .4 & 42.7 & .4 & 31.1 & .4 & 18.1 \\ .6 & 62.1 & .6 & 52.8 & .6 & 42.4 & .6 & 30.9 & .6 & 17.9 \\ .8 & 61.9 & .8 & 52.6 & .8 & 42.2 & .8 & 30.6 & .8 & 17.6 \\ .8 & 61.9 & .8 & 52.6 & .8 & 42.2 & .8 & 30.6 & .8 & .7 & .7 & .8 \\ \end{bmatrix} $		63.5		54.4		44.2	2   38.	100 6	48.	20.0
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		1 40 0	- 11				. ((		.2	1 20 0
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		00 3		4 54.0	)   .4		3 .4	32.6		
$ \begin{bmatrix} .8 & 62.8 & .8 & 53.6 & .8 & 43.3 & 39. & 31.6 & 49. \\ .2 & 62.4 & .2 & 53.2 & .2 & 42.9 & .4 & 31.1 & .4 & 18.1 \\ .4 & 62.2 & .4 & 53.0 & .6 & 42.4 & .6 & 30.9 & .6 & 17.9 \\ .6 & 62.1 & .6 & 52.8 & .6 & 42.4 & .6 & 30.6 & .8 & 17.6 \\ .8 & 61.9 & .8 & 52.6 & .8 & 42.2 & .8 & 30.6 & .8 & 17.6 \\ .8 & 61.9 & .8 & 52.6 & .8 & 42.2 & .8 & 30.4 & 59. \\ \end{bmatrix} $		63.0		$6 \mid 53.8$		- 1		8 31.8	11 0	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		62.8		8 + 53.6			- 43	0.1 4		18.7
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	9.			200		40.6				18.4
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	11	200		PO 6		40.7	7	4 31.	1 .4	
8 61.9 8 52.6 8 42.2 8 30.6 8 17.0 17.3							4 .	6 30.		
	1 .6			8 52.		8 42.	2 .	S   30.0		17.0
	41					41.	9 40.	30.	4 50.	17.5
	1	01.7				1	11	1	îi.	

### TEMPERATURE 46°.

					_				
Wts. &		Wts. &				Wts. &		Wts. &	
Divs.	Cent.	Divs.	Cent.			Divs.			Cent.
on	over	on	over '	on	under	on	under	on	under
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
300121									
50.	17.3	60.	2.9	70.	13.7	80.	34.9	90.	69.9
.2	17.0	.2	2.6	.2	14.1	.2	35.4	.2	70.6
	16.8		2.3		14.5	. 2	36.0		71.4
.4		.4	2.0	.4	14.0	.4	90.0	1 .4	70.1
.6	16.5				1 1.0	,	36.5	.6	72.1
.8	16.3	.8	1.7	.8	15.2		37.1		72.9
51.		61.	1.4	71.		81.	37.6	91.	73.6
.2	15.7	.2	1.1	.2	16.0	.2	38.1	.2	74.3
.4	15.4	.4	.8	.2 .4 .6	16.4	.4	38.7	.4	75.0
.6	15.2	.6	.4	.6	16.7	.6	39.2	.6	75.8
.8	14.9	.8	.1	.8	17.1	.8	39.8	.8	76.5
52.	14.6	62.	.2	72.	17.5	82.	40.3	11	77.2
	14.3	.2	.5	.2	17.9		40.9	92.	77.9
.2	14.0		.0	.2	10.0	.2		.2	
.4		.4	.8 1.1	•4	18.3	•4	41.5	•4	78.5
.6	13.7	.6	1.1	.0	18.6	.6	42.0	.6	79.2
.8	13.4	.8	1.4	.8	19.0	.8	42.6	.8	79.8
53.	13.1	63.	1.7	73.	19.4	83.	43.2	93.	80.5
.2	12.8	.2	2.0	.2	19.8	.2	43.9	.2	81.1
.4	$12.5 \\ 12.3$	.4	2.4	.4	20.2	.4	44.5	.4	81.8
.6	12.3	.6	2.7	.6	20.6	.6	45.2	.6	82.4
.8	12.0	.8	3.1	.8	21.0	.8	45.8	.8	83.1
54.	11.7	64.	3.4	74.	21.4	84.	46.5	94.	83.7
.2	11.4	.2	3.7	.2	21.8	.2	47.2	.2	84.3
	11.1		4.1	1	22.2				
.4	10.9	•4		•4	22.6	•4	47.9	.4	84.9
.6		.6	4.4	.6		.6	48.6	.6	85.6
.8	10.6	.8	4.8	.8	23.0	.8	49.3	.8	86.2
55.	10.3	65.	5.1	75.	23.4	85.	50.0	95.	86.8
.2	10.0	.2	5.4	.2	23.8	.2	50.8	.2	87.4
.4	9.7	•4	5.7	•4	24.2	.4	51.6	.4	88.0
.6	9.4	.6	6.1	.6	24.7	.6	52.3	.6	88.5
.8	9.1	.8	6.4	.8	25.1	.8	53.1	.8	89.1
56.	8.8	66.	6.7	76.	25.5	86.	53.9	96.	89.7
.2	8.5	.2	7.0	.2	25.9	.2	54.7	.2	90.2
.4	8.2	.4	7.4	.4	26.4	.4	55.5	.4	90.8
.6	7.9	.6	7.7	.6	26.8	.6	56.4	.6	91.3
.8	7.6	.8	8.1	.8	27.3	.8		.8	91.9
	7.3	67.	8.4		27.7	87.	58.0		
57-	7.0		8.7	77-	20.1		50.0	97.	92.4
.2		.2		.2	28.2	.2	58.8		92.9
-4	6.7	•4	9.1	•4	28.6	.4	59.6		93.4
.6	6.5	.6	9.4	.6	29.1	.6	60.4		94.0
.8	6.2		9.8		29.5		61.2		94.5
58.	5.9	68.	10.1	78.	30.0	88.	62.0	98.	95.0
.2	5.6	.2	10.5	.2	30.5	.2	62.8	.2	95.5
.4	5.3	.4	10.8	.4	31.0	.4	63.6	.4	96.0
.6	5.0	.6	11.2	.6	31.4	.6	64.4	.6	96.5
.8	4.7	.8	11.5	.8	31.9	.8	65.2	.8	97.0
59.	4.4	69.	11.9	79.	32.4	89.	66.0	99.	97.5
.2	4.1	.2	12.3	.2	32.9	.2	66.8		98.0
.4	3.8	.4	12.6	1	33.4	3	67.6	.2	
.6	3.5	.6	13.0	.6	33.9	•4		•4	98.5
.8	3.2	.8	13.3	.8		.6	68.3	.6	98.9
				1 ~	34.4	.8	69.1	.8	99.4
60.	2.9	70.	13.7	80.	34.9	90.	69,9	100,	99.9
			1					i l	

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### TEMPERATURE 47°.

3374 0.	D	3374. 9.	D	Wts.&	Dom	Wts. &	Per	Wts. &	Per
Wts. &	Per	Wts. &			Per				
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	3 1	Cent.
on	over	on	over	on	over	on	over	on	over
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
									-00.7
0.	70.0	IO.	61.5	20.	52.1	30.	41.7	40.	30.1
.2	69.8	.2	61.3	.2	51.9	.2	41.5	.2	29.8
.4	69.6	•4	61.1	.4	51.7	•4	41.3	•4	29.6
.6	69.5	.6	61.0	.6	51.5	.6	41.0	.6	29.3
.8	69.3	.8	60.8	.8	51.3	.8	40.8	.8	29.1
I.	69.1	II.	60.6	21.	51.1	31.	40.6	41.	28.8
.2	68.9	.2	60.4	.2	50.9	.2	40.4	.2	28.6
.4	68.8	.4	60.2	.4	50.7	.4	40.2	.4	28.3
.6	68.6	.6	60.1	.6	50.5	.6	39.9	.6	28.1
.8	68.5	.8	59.9	.8	50.3	.8	39.7	.8	27.8
		31	59.7	22.	50.1	32.	39.5	42.	27.6
2.	68.3	12.		11	49.9	.2	39.3	42.	27.3
.2	68.1	.2	59.5	.2			39.0	.4	27.1
•4	68.0	.4	59.3	1 .4	49.7	.4	38.8	.6	26.8
.6	67.8	.6	59.2	.6	49.6	.6	20.0	.8	26.6
.8	67.7	.8	59.0	.8	49.4	.8	38.5		
3.	67.5	13.	58.8	23.	49.2	33.	38.3	43.	26.3
.2	67.3	.2	58.6	.2	49.0	.2	38.1	.2	26.0
.4	67.2	•4	58.4	.4	48.8	•4	37.9	.4	25.8
.6	67.0	.6	58.3	.6	48.5	.6	37.6	.6	25.5
.8	66.9	.8	58.1	.8	48.3	.8	37.4	.8	25.3
4.	66.7	14.	57.9	24.	48.1	34-	37.2	44.	25.0
.2	66.5	.2	57.7	.2	47.9	.2	37.0	.2	24.7
.4	66.3	.4	57.5	.4	47.7	.4	36.8	.4	24.5
.6	66.2	1 .6	57.3	.6	47.5	.6	36.5	.6	24.2
.8	66.0	.8	57.1	.8	47.3	.8	36.3	.8	24.0
		.0	56.9	25.	47.1	35.	36.1	45.	23.7
5.	65.8	15.		25.	46.9	.2	35.9	.2	23.4
.2	65,6	.2	56.7			11	35.6	.4	23.2
.4	65.5	.4	56.5	1.4	46.7	1 .4	35.4	.6	22.9
,6	65.3	.6	56.4	.6	46.4	.6	35.1	.8	22.7
.8	65.2	.8	56.2	.8	46.2	.8		41	22.4
6.	65.0	16.	56.0	26.	46.0	36.	34.9	46.	00.1
.2	64.8	.2	55.8	.2	45.8	.2	34.7	.2	22.1
.4	64.6	.4	55.6	.4	45,6	.4	34.4	1 .4	21.9
.6	64.5	.6	55.4	,6	45.4	.6	34.2	.6	21.6
.8	64.3	.8	55.2	.8	45.2	.8	33.9	.8	21.4
7.	64.1	17.	55.0	27.	45.0	37.	33.7	47.	21.1
.2	63.9	.2	54.8	.2	44.8	.2	33.5	.2	20.8
	63.7	41	54.6	.4	44.6	•4	33.2	•4	20.5
.4		.4	54.5	.6	44.3	.6	33.0	.6	20.3
.6	63.4	.8			44.1	.8		.8	20.0
.8	03.4		54.1	28.	43.9	38.	32.5	48.	19.7
8.	63.2	18.	59.0	- []	43.7	.2	32.3	.2	19.4
.2	63.0	.2	53.9	.2		11	32.0	.4	19.2
.4	62.9	.4	53.7	•4	43.5	.4	31.8	.6	18.9
.6	62.7	.6	53.5	.6	43.2	.6	31.5	.8	18.7
.8	62.6	.8	53.3	.8	43.0	11		- 11	18.4
9.	62.4	19.	53.1	29.	42.8	39.	31.3	49.	18.1
.2	62.2	.2	52.9	.2	42.6	.2	31.1	.2	
.4	62.0	.4	52.7	.4	42.4	1 .4	30.8	.4	17.8
.6	61.9	.6	52.5	.6	42.1	.6		.6	17.6
8	61.7	.8	52.3	.8	41.9	.8	30.3		17.3
10.	61.5	23	52.1	30.	41.7	40.	30.1	50.	17.0
10.	01.0	200			1	1	1	#	1
		11							

## TEMPERATURE 47°.

_									
Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
ao	over	on	over	on	under	on	under	on	under
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
50.	17.0	60.	2.6	70.	14.1	80.	35.4	90.	70.1
.2	16.7	.2	2.3	.2	14.5	.2	35.9	.2	70.8
•4	16.4	.4	2.0	•4	14.8	•4	36.4	•4	71.6
.6	16.2 15.9	.6 .8	1.7 1.4	.6 .8	15.2 15.5	.6	37.0 37.5	.6 .8	72.3 73.1
51.	15.6	61.	1.1	71.	15.9	81.	38.0	91.	73.8
.2	15.3	.2	.8	.2	16.3	.2	38.5	.2	74.5
•4	15.1	.4	.5	.4	16.7	-4	39.1	.4	75.2
.6	14.8	.6	.1	.6	17.0	.6	39.6	.6	75.9
.8	14.6	.8	.2	.8	17.4	8.	40.2	.8	76.6
52.	14.3 14.0	62.	.5	72.	17.8 18.2	82.	40.7	92.	77.3 78.0
.4	13.7	.4	1.1	.4	18.6	.4	41.9	•4	78.6
.6	13.4	.6	1.5	.6	19.0	.6	42.4	.6	79.3
.8	13.1	.8	1.8	.8	19.4	.8	43.0	.8	79.9
53-	12.8 12.5	63.	2.1	73.	19.8 20.2	83.	43.6	93.	80.6
.2	$\begin{array}{c} 12.5 \\ 12.2 \end{array}$	.2	$\begin{array}{c c} 2.4 \\ 2.7 \end{array}$	.2	20.2	.2	44.3 44.9	.2	81.2
.6	12.0	.6	3.1	.6	21.0	.6	45.6	.6	82.5
.8	11.7	.8	3.4	.8	21.4	.8	46.2	.8	83.2
54-	11.4	64.	3.7	74.	21.8	84.	46.9	94.	83.8
.2	11.1	.2	4.0	.2	22.2	.2	47.6	.2	84.4
.6	10.8 10.6	.6	4.4	.6	22.6 23.0	.6	48.3 49.1	•4	85.0 85.7
.8	10.3	.8	5.1	.8	23.4	.8	49.8	.6 .8	86.3
55.	10.0	65.	5.4	75.	23.8	85.	50.5	95.	86.9
.2	9.7	.2	5.7	.2	24.2	.2	51.3	.2	87.5
•4	9.4 9.1	•4	6.1	•4	24.6	.4	52.0	•4	88.0
.6	8.8	.6 .8	6.4 6.8	.6 .8	25.1 25.5	.6 .8	52.8 53.5	.6	88.6 89.1
56.	8.5	66.	7.1	76.	25.9	86.	54.3	96.	89.7
.2	8.2	.2	7.4	.2	26.3	.2	<b>5</b> 5. 1	.2	90.3
•4	7.9	.4	7.8	•4	26.8	.4	55.9	.4	90.8
.6	7.6	.6 .8	8.1	.6	27.2	.6	56.7	.6	91.4
57.	7.0	67.	8.5	.8 77.	27.7 28.1	.8 87.	57.5 58.3	.8	91.9 92.5
.2	6.7	.2	9.1	.2	28.6	.2	59.1	97.	93.0
.4	6.4	.4	9.5	.4	29.0	11	59.9	11	93.5
.6	6.1	.6	9.8	.6	29.5	.6	60.7	.6	94.1
58.	5.8 5.5	68.	10.2 10.5	.8	29.9 30.4	.8 88.	61.5	.8	94.6
.2	5.2	.2	10.5	78.	30.4	00.	62.3	98.	95.1 95.6
.4	4.9	.4	11.2	.4	31.4	.4	63.9	.4	96.1
.6	4.7	.6	11.6	.6	31.8	.6	64.7	.6	96.5
.8	4.4	.8	11.9	.8	32.3	8.	65.5	.8	97.0
59.	4.1 3.8	69.	12.3 12.7	79.	32.8	89.	66.3	99.	97.5 98.0
.4	3.5	.4	13.0	.2	33.8	.2	67.8	.2	98.5
.6	3.2	.6	13.4	.6	34.4	.6	68.6	.6	98.9
.8	2.9	.8	13.7	.8	34.9	.8	69.3	.8	99.4
60,	2.6	70.	14.1	80.	35.4	90.	70.1	100.	99.9
-		1	1	11	1	7		1)	

## TEMPERATURE 48°.

Wts.	& Per	Wts. &	Per	Wts. &	Per	Wts. &	Dan	3374 . 0	D
Div		Divs.	Cent.	Divs.	Cent.	Divs.	Per Cent.	Wts. & Divs.	Per Cent.
on	over	on	over	on	over	on on	over	on	over
Sten		Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
11									
0.	69.8	10.	61.2	20.	51.9	30.	41.4	40.	29.7
.2		.2	61.0	.2	51.7	.2	41.2	.2	29.5
.4		.4	60.8	•4	51.5	•4	41.0	•4	29.2
.8		.6 .8	60.7	.6 .8	51.3 51.1	.6	40.7	.6	29.0
1.		11.	60.3	21.	50.9	8.	40.5 40.3	8	28.7 28.5
		.2	60.1	.2	50.7	31.	40.1	41.	28.3
		.4	59.9	.4	50.5	.4	39.9	.4	28.0
	68.4	.6	59.8	.6	50.3	.6	39.6	.6	27.8
3.		∥ .8	59.6	.8	50, 1	.8	39.4	.8	27.5
2.	68.1	12.	59.4	22.	49.9	32.	39.2	42.	27.3
.2		.2	59.2	.2	49.7	.2	39.0	.2	27.0
1 .4		1.4	59.0	•4	49.5	1.4	38.8	•4	26.8
.8		.6 .8	58.9	.6	49.3	.6	38.5	.6	26.5
3.	$\begin{array}{c c} 67.3 \\ 67.3 \end{array}$	13.	58.7 58.5	23.	49.1 48.9	.8	38.3 38.1	.8	$\begin{array}{c c} 26.3 \\ 26.0 \end{array}$
3.	1	.2	58.3	.2	48.7	33.	37.9	43.	25.7
		.4	58.1	.4	48.5	.4	37.6	.4	25.5
1 .6	66.8	.6	58.0	.6	48.2	.6	37.4	.6	25.2
3.	66.6	.8	57.8	.8	48.0	.8	37.1	.8	25.0
4.	66.4	14.	57.6	24.	47.8	34.	36.9	44.	24.7
.2		.2	57.4	.2	47.6	.2	36.7	.2	24.4
-4	66.1	•4	57.2	-4	47.4	-4	36.5	•4	24.2
.6		.6	57.1	.6	47.2	.6	36.2	.6	23.9
3.		.8	56.9	.8	47.0	.8	36.0	.8	23.7
5.		15.	56.7 56.5	25. .2	46.8 46.6	35.	35.8 35.6	45.	23.4 23.1
.4	1	.4	56.3	•4	46.4	.4	35.3	.2	22.9
11 .6		.6	56.1	.6	46.1	.6	35.1	.6	22.6
.8	64.9	.8	55.9	.8	45.9	.8	34.8	.8	22.4
6.	64.7	16.	55.7	26.	45.7	36.	34.6	46.	22.1
.2		.2	55.5	.2	45.5	.2	34.4	.2	21.8
1 .4		-4	55.3	.4	45.3	.4	34.1	•4	21.6
.6		.6	55.2	.6	45.1	.6	33.9	.6	21.3
.8	64.0 63.8	.8	55.0 54.8	.8	44.9 44.7	.8	33.6 33.4	.8	21.1 20.8
7.	200	17.	54.6	<sup>2</sup> 7.	44.5	37.	33.2	47.	20.5
.4	1 00 4	•4	54.4	.4	44.3	.4	32.9	•4	20.2
.6		.6	54.2	.6	44.0	.6	32.7	.6	20.0
.8	63.2	.8	54.0	.8	43.8	.8	32.4	.8	19.7
8.	63.0	18.	53.8	28.	43.7	38.	32.2	48.	19.4
.2		.2	53.6	.2	43.4	.2	32.0	.2	19.1
.4	62.6	•4	53.4	•4	43.2	.4	31.7	-4	18.9
.6		.6	53.2	.6	42.9	.6	31.5	.6	18.6
.8	62.3 62.1	.8	53.0 52.8	.8 29.	42.7 42.5	.8	$\frac{31.2}{31.0}$	.8	18.4
9.		19.	52.6	.2	42.3	39.	30.7	49.	17.8
.4	1	.4	52.4	.4	42.1	.4	30.5	.4	17.5
.6		.6	52.3	.6	41.8	.6	30.2	.6	17.3
.8	61.4	.8	52.1	.8	41.6	.8	30.0	.8	17.0
10.	61.2	20.	51.9	30.	41.4	40.	29.7	50.	16.7
	1	8		1		1	1		

# TEMPERATURE 48°.

3371 0	m	Wts. &	D	Wts. &	D	13374 R.	Per	Wts. &	D
Wts. &		Divs.	Per Cent.		Per Cent.	Wts. & Divs.	Cent.		Per
Divs.	Cent.	on	over	Divs.	under	on	under	Divs.	Cent.
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
Stem.	11001.	Dicin.	11003.	Cocini	11001.	Docin.	11001.	Bucin.	11001.
50.	16.7	60.	2.2	70.	14.4	80.	35.8	90.	70.3
.2	16.4	.2	1.9	.2	14.8	.2	36.3	.2	71.0
-4	16.1	-4	1.6	.4	15.2	.4	36.8	•4	71.8
.6	15.9	.6	1.3	.6	15.5	.6	37.4	.6	72.5
.8	15.6	.8	1.0	.8	15.9	.8	37.9	.8	73.3
51.	15.3	61.	.7	71.	16.3	81.	38.4	91.	74.0
.2	15.0	.2	.4	.2	16.7	.2	38.9	.2	74.7
-4	14.7	.4	1	.4	17.1	•4	39.5	•4	75.4
.6	14.5	.6	.3	.6	17.4	.6	40.0	.6	76.0
.8	14.2	.8	.6	.8	17.8	.8	40.6	.8	76.7
52.	13.9 13.6	62.	.9 1.2	72.	18.2 18.6	82.	41.1	92.	77.4
.2	13.3	.2	1.5	.2	19.0	.2	41.7 42.3	.2	78.1
.4 .6	13.1	·4 .6	1.8	.4 .6	19.4	.6	42.8	·4 .6	78.8 79.4
.8	12.8	.8	2.1	.8	19.8	.8	43.4	.8	80.1
53.	12.5	63.	2.4	73.	20.2	83.	44.0	93.	80.8
.2	12.2	.2	2.7	.2	20.6	.2	44.7	.2	81.4
.4	11.9	.4	3.0	.4	21.0	.4	45.3	.4	82.0
.6	11.7	.6	3.4	.6	21.3	.6	46.0	.6	82.7
.8	11.4	.8	3.7	.8	21.7	.8	46.6	.8	83.3
54-	11.1	64.	4.0	74.	22.1	84.	47.3	94.	83.9
.2	10.8	.2	4.3	.2	22.9	.2	48.0	.2	84.5
.4	10.5	-4	4.7	.4	22.5	•4	48.7	٠4	85.1
.6	10.2 9.9	.6 .8	5.0 5.4	.6	23.3	.6	49.5	.6	85.7
.8	9.6	65.	5.7	.8	$\begin{array}{c c} 23.7 \\ 24.1 \end{array}$	8.	50.2	.8	86.3
55.	9.3	.2	6.0	75. .2	24.5	85.	50.9 51.7	95.	86.9 87.5
.4	9.0	-4	6.4	.4	25.0	.4	52.4	.2	88.1
.6	8.8	.6	6.7	.6	25.4	.6	53.2	.6	88.6
.8	8.5	.8	7.1	.8	25.9	.8	53.9	.8	89.2
56.	8.2	66.	7.4	76.	26.3	86.	54.7	96.	89.8
.2	7.9	.2	7.7	.2	26.7	.2	55.5	.2	90.3
-4	7.6	.4	8.1	.4	27.2	•4	56.3	•4	90.9
.6	7.3	.6	8.4	.6	27.6	.6	57.0	.6	91.4
.8	7.0	.8	8.8	.8	28.1	.8	57.8	.8	92.0
57-	6.7	67.	$\begin{array}{c} 9.1 \\ 9.4 \end{array}$	77.	28.5 29.0	87.	58.6	97.	92.5
.2	6.1	.2	9.8	.2	29.0	.2	59.4	.2	93.0
.6	5.8	·4 .6	10.1	.4 .6	29.9	.6	$\begin{bmatrix} 60.2 \\ 61.0 \end{bmatrix}$	•4	93.5
.8	5.5	.8	10.5	.8	30.3	.8	61.8	.6	94.1 94.6
58.	5.2	68.	10.8	78.	30.8	88.	62.6	98.	95.1
.2	4.9	.2	11.2	.2	31.3	.2	63.4	.2	95.6
.4	4.6	•4	11.5	.4	31.8	.4	64.2	•4	96.1
.6	4,3	.6	11.9	.6	32.2	.6	64.9	.6	96.6
.8	4.0	8	12.2	.8	32.7	.8	65.7	.8	97.1
59-	3.7	69.	12.6	79.	33.2	89.	66.5	99.	97.6
.2	3.4	.2	13.0	,2	33.7	.2	67.3	.2	98.1
.6	2.8	.6	13.3 13.7	.4	34,2	•4	68.0	•4	98.5
.8	2.5	.8	14.0	.6 .8	34.8 35.3	.6 .8	68.8	.6	99.0
60.	2.2	70.	14.4	80.	35.8	90,	69.5 70.3	.8	99.4
					00.0	90.	10.0	100,	99.9
								U.	

### TEMPERATURE 49°.

Wts. & Per Divs.   One Stem.   Per Divs.   One Stem.   Proof.   Proof.   Stem.   Proof.   Proof.   Stem.   Proof.   Proof.   Proof.   Stem.   Proof.   Pro	ſ										
Divs. on over over over over over over over over	ı	3374 B	Por	Wta &	Por	Wta &	Per	Wta &	Per	Wts &	Per
On   Stem.   Proof.   Proof.   Stem.   Proof.   Stem.   Proof.   Proo	ı					Divs.					
Stem.   Proof.   Stem.   S	ı									on	over
O.         69.5 (99.3)         10.         60.9 (90.7)         22.         51.6 (10.5)         30.         41.1 (10.5)         40.2 (29.4)         29.2 (29.2)         40.4 (29.2)         40.4 (29.2)         40.4 (29.2)         40.4 (29.2)         40.4 (40.7)         40.4 (29.2)         41.1 (29.2)         42.2 (29.2)         40.4 (29.2)         41.2 (29.2)         49.3 (29.2)         49.4 (29.2)         49.3 (29.2)         49.3 (29.2)         49.4 (29.2)         49.3 (29.2)         49.4 (29.2)         <	ı					Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
1.2	l										
1.	l	0.		1							
1.	l	5		Į.				i .			
S	I	1 2									
1.         68.7         11.         60.0         21.         50.6         31.         40.0         41.         28.2         28.0           .4         68.4         .4         59.6         .4         50.2         .4         39.6         .4         27.7         .6         68.2         .6         59.5         .6         50.0         .6         39.3         .6         27.5         .8         89.1         .8         27.2         28.0         .4         27.7         .6         67.9         12.         59.1         22.         49.6         32.         38.9         .4         27.2         26.7         .2         26.7         .4         67.6         .4         58.7         .4         49.2         .4         38.5         .4         22.         26.7         .4         26.5         .6         42.2         .2         26.7         .4         26.5         .6         42.2         .2         26.7         .4         26.5         .2         .6         .6         49.0         .6         38.5         .4         26.5         .2         .6         .6         .6         .6         .2         .2         .2         .4         .2         .3         .6	I										
1.2	ı			1		1				}	
1	ı	1				1			39.8	.2	
6       68.2       6       59.5       .6       50.0       .6       39.3       .8       27.2         2.       67.9       12.       59.1       22.       49.6       32.       38.9       42.       27.0         .4       67.6       4       58.7       .4       49.2       .4       38.5       .4       26.5         .6       67.4       .6       58.6       .6       49.0       .6       38.2       .6       26.2       22.0         .8       67.3       .8       58.4       .8       48.8       .8       38.0       .8       25.7         .2       66.9       .2       58.0       .2       48.4       .2       37.6       .2       25.4         .4       66.7       .4       57.8       .4       48.2       .4       37.3       .4       25.2         .4       66.7       .4       57.8       .4       47.7       .8       36.8       .8       24.7         .4       66.7       .4       57.7       .8       47.7       .8       36.6       44.7       .2       36.4       .2       25.4       24.9       24.9       .2       24.4	ł	1				•4	50.2				27.7
2.         67.9         12.         59.1         22.         49.6         32.         38.9         42.         27.0           .4         67.6         .4         58.7         .4         49.2         .4         38.5         .4         26.5           .6         67.4         .6         58.6         .6         49.0         .6         38.2         .6         26.2           .8         67.3         .8         58.4         .8         48.8         .8         38.0         .8         26.0           .2         66.9         .2         58.0         .4         48.2         .4         37.3         .4         25.2         .4         66.7         .4         57.8         .4         49.2         .4         37.3         .4         25.7         .2         58.0         .2         25.8         .2         23.7         .4         48.6         .3         33.3         37.8         43.2         .2         .2         .2         .2         .4         .2         .2         .2         .2         .4         .2         .2         .2         .2         .4         .2         .2         .4         .2         .2         .4         .2	I			.6	59.5		50.0	.6			
1.2   67.7   1.2   58.9   1.2   49.4   1.2   38.7   1.2   26.7     4   67.6   6   6.58.6   6.6   49.0   6.6   38.2   6.6   26.2     8   67.3   13.   58.2   23.   48.6   33.   37.8   38.0   .8   25.7     -2   66.9   -2   58.0   -2   48.4   -2   37.6   -2   25.4     -4   66.7   -4   57.8   -4   49.2   -4   37.3   -4   25.2     -6   66.6   6   65.7   -7   6   47.9   -6   37.1   -6   66.6     -6   6.6   -6   57.7   -6   47.9   -6   37.1   -6   24.9     -4   66.2   14.   57.3   24.   47.5   34.   36.6   34.4     -4   66.2   14.   57.3   24.   47.5   34.   36.6   44.     -4   65.9   -4   56.9   -4   47.1   -4   36.2   -4   23.9     -6   65.7   -6   56.8   -6   46.9   -6   35.9   -6   23.6     -7   65.6   -7   -7   -7   -7   -7   -7     -8   65.6   -7   -7   -7   -7   -7   -7     -8   65.6   -7   -7   -7   -7   -7     -9   64.9   -7   -7   -7   -7     -9   64.9   -7   -7   -7   -7     -9   64.1   -7   -7   -7   -7     -9   61.8   -7   -7   -7   -7   -7     -9   61.8   -7   -7   -7   -7   -7     -9   61.8   -7   -7   -7   -7     -9   61.8   -7   -7   -7   -7     -9   61.8   -7   -7   -7   -7     -9   -7   -7   -7   -7   -7     -9   -7   -7   -7   -7     -7   -7   -7	ı	.8		.8				.8		1	
.4       67.6       .4       58.7       .4       49.2       .4       38.5       .4       26.5       .6       26.0       .8       .6       38.2       .6       26.0       .8        22.7       .8       .8       38.0       .8       22.5       .7       .6       .6       .6       .7       .6       .6       .6       .7       .6       .6       .6       .7       .6       .6       .7       .6       .6       .7       .6       .6       .7       .6       .6       .7       .8       .6       .6       .7       .8       .8       .8       .2       .4       .2       .8       .6       .6       .6       .7       .8       .8       .8       .2       .2       .4       .2	ı	1									
.6         67.4         .6         58.6         .6         49.0         .6         38.2         .6         26.2           .8         67.3         .8         58.4         .8         48.8         .8         38.0         .8         26.0           3.         67.1         13.         58.2         23.         48.6         33.         37.8         43.         25.7           .6         66.6         .6         57.7         .6         47.9         .6         37.1         .6         22.5.4           .8         66.4         .8         57.5         .8         47.7         .8         36.8         .8         24.9           .4         66.9         .4         57.3         24.         47.5         34.         36.6         44.         22.4         42.4           .4         66.9         .4         56.9         .4         47.1         .4         36.2         .4         22.9           .6         65.7         .6         56.8         .6         46.9         .6         35.9         .6         23.6           .8         65.6         .8         56.6         .8         46.7         .8         35.7	1										
.8       67.3       .8       58.4       .8       48.8       .8       38.0       .8       26.0         .2       66.9       .2       58.2       23.       48.6       33.       37.8       43.       25.7         .6       66.7       .4       57.8       .4       49.2       .4       37.3       .4       25.2         .6       66.6       .6       57.7       .6       47.9       .6       37.1       .6       24.9         .8       66.4       .8       57.5       .8       47.7       .8       36.8       .8       24.7         .4       66.2       14.       57.3       24.       47.5       34.       36.6       44.       22.4         .4       66.2       14.       56.9       .4       47.1       .4       36.2       .4       22.4         .4       65.7       .6       56.8       .6       46.9       .6       35.9       .6       23.6         .5       .65.4       15.       56.4       25.       46.5       35.       35.3       35.3       .2       22.8       .4         .6       64.9       .6       55.9       .6				.4							26.2
3.       67.1       13.       58.2       23.       48.6       33.       37.8       43.       25.7       25.4         4.       66.7       .4       57.8       .4       49.2       .4       37.3       .4       25.2       25.4         6.       66.6       .6       57.7       .6       47.9       .6       37.1       .6       24.9         4.       66.2       14.       57.3       24.       47.5       34.       36.6       44.       22.4.1         .2       66.0       .2       57.1       .2       47.3       .2       36.4       .2       24.1         .4       65.9       .4       56.9       .4       47.1       .4       36.2       .4       22.4         .4       65.7       .6       56.8       .6       46.9       .6       35.9       .6       23.6         .8       65.6       .8       56.6       .8       46.7       .8       35.7       .8       23.4         .2       65.2       .2       266.2       .2       46.5       .5       .5       .5       .2       46.5       .2       35.5       35.5       35.5       .2	1		67.3	8							26.0
.2       66.9       .2       58.0       .2       48.4       .2       37.6       .2       25.2         .6       66.7       .4       57.8       .4       49.2       .6       37.3       .6       24.9         .8       66.6       .8       57.7       .6       47.9       .6       37.1       .6       24.9         .8       66.2       14.       57.3       24.       47.5       34.       36.6       24.       24.4         .4       66.9       .4       56.9       .4       47.1       .4       36.2       .4       23.9         .6       65.7       .6       56.8       .6       46.9       .6       35.9       .6       23.6         .8       65.6       .8       56.6       .8       56.2       .2       46.5       .8       35.7       .8       23.4         .2       65.2       .2       56.2       .2       46.5       .8       35.5       .8       23.4         .5       .65.4       .5       .5       .2       46.5       .3       .2       35.3       .2       23.6         .8       65.7       .6       .5       .	1	1		l.		1			37.8	43.	25.7
.4       66.7       .4       57.8       .4       48.2       .4       37.1       .6       24.9         .8       66.4       .8       57.5       .8       47.7       .8       36.8       224.7         4.       66.2       14.       57.3       24.       47.5       34.       36.6       424.4         2.       66.0       .2       57.1       .2       47.3       .4       36.6       44.       .2       23.9         .6       65.9       .4       56.9       .4       47.1       .4       36.2       .4       223.9         .6       65.7       .6       56.8       .6       46.9       .6       35.9       .6       23.6         .8       65.6       .8       56.6       .8       46.7       .8       35.7       .8       23.4         .2       65.2       .2       56.2       .4       46.7       .8       35.5       .8       23.1         .2       65.2       .2       56.2       .4       46.7       .8       35.0       .4       45.0       .2       246.3       .2       35.3       .3       .5       22.8       .4       .2	I	1		.2	58.0					.2	
.6       66.6       6       57.7       .6       47.9       .8       37.1       .8       24.7       24.4       47.5       34.36.6       44.24.1       24.4       24.4       24.7       34.36.6       44.2       24.4       24.4       24.1       24.4       24.7       34.36.6       44.2       24.4       24.1       24.4       24.1       24.4       24.1       24.4       24.1       24.4       24.1       24.4       24.1       24.4       24.1       24.4       24.1       24.4       24.1       24.4       24.1	ı		66.7	.4	57.8						
4.       66.2       14.       57.3       24.       47.5       34.       36.6       44.       24.4         .4       65.9       .4       56.9       .4       47.1       .4       36.2       .4       23.9         .6       65.7       .6       56.8       .6       46.9       .6       35.9       .6       23.6         .8       65.6       .8       56.6       .8       46.7       .8       35.7       .6       23.6         .6       65.2       .2       56.4       25.       46.5       35.       35.3       .4       45.       22.8         .2       65.2       .2       56.2       .2       46.3       .2       35.3       .4       45.       22.8         .4       65.0       .4       56.0       .4       46.1       .4       35.0       .4       45.       22.8         .8       64.7       .8       55.7       26.       45.5       36.       34.8       .8       22.1         .6       64.5       16.       55.5       26.       45.5       36.       34.3       .8       22.1         .8       63.8       17.       54.6	ı	.6		.6						11 _	
4.       66.0       1.2       57.1       2.2       47.3       .2       36.4       .2       24.1         .6       65.9       .4       56.9       .4       47.1       .4       36.2       .4       23.9         .6       65.7       .6       56.8       .8       46.7       .8       35.7       .8       23.4         5.       65.4       15.       56.4       25.       46.5       35.       35.5       45.       23.1         .2       65.2       .2       2 66.2       .2       46.3       .2       35.3       .2       22.8         .4       65.0       .4       56.0       .4       46.1       .4       35.0       .4       22.6         .6       64.9       .6       55.9       .6       45.9       .8       34.5       .2       22.3         .8       64.7       .8       55.7       .8       45.7       .8       34.5       .8       22.1         .6       64.9       .6       55.5       .2       45.3       .2       34.1       .2       21.5         .2       64.3       .2       55.3       .2       45.3       .2	I	.8				J.				l†	
.2         60.0         .4         56.9         .4         56.9         .4         47.1         .4         36.2         .4         23.9           .6         65.9         .6         56.8         .8         46.7         .8         35.9         .6         23.6           .8         65.6         .8         56.6         .8         46.7         .8         35.7         .8         23.4           .2         65.2         .2         56.2         .2         46.3         .2         35.3         .2         22.8           .4         65.0         .4         56.0         .4         46.1         .4         35.0         .4         22.6           .6         64.9         .6         55.9         .6         45.9         .6         34.8         .6         22.3           .8         64.7         .8         55.7         .8         45.7         .8         34.7         .2         34.3         .4         .22.8           .8         64.7         .8         55.7         .8         45.7         .3         .3         .8         22.1           .6         64.3         .2         .55.3         .2         45.	l					(9 *					
.4         65.7         .6         56.8         .6         35.9         .6         23.6           .8         65.6         .8         56.6         .8         46.7         .8         35.7         .6         23.4           .2         65.2         .2         56.2         .2         46.3         .2         35.3         .2         22.8           .4         65.0         .4         46.1         .4         35.0         .4         22.6         .2         22.8           .6         64.9         .6         55.9         .6         45.9         .6         34.8         .6         22.3           .8         64.7         .8         55.7         .8         45.7         .8         34.5         .8         22.1           .6         64.5         16.         55.5         26.         45.5         36.         34.3         .6         22.3           .4         64.1         .4         55.1         .4         45.1         .4         33.8         .4         21.8           .2         63.6         17.         54.6         27.         44.5         .3         .3         .8         20.7           .	I				56.0	13				11	
.8         65.6         .8         56.6         .8         46.7         .8         35.7         .8         23.4           5.         65.4         15.         56.4         25.         46.5         35.         35.5         35.3         22.8         22.8           .4         65.0         .4         56.0         .4         46.1         .4         35.0         .4         22.6           .6         64.9         .8         55.7         .8         45.7         .8         34.5         .6         22.3           .8         64.7         .8         55.7         .8         45.5         .8         34.5         .6         22.3           .8         64.7         .8         55.7         .8         45.5         .8         34.5         .8         22.1           6.         64.5         16.         55.5         26.         45.5         36.         34.3         34.6         .2         21.8           .4         64.1         .4         55.1         .6         44.9         .6         33.6         .8         221.5           .4         64.1         .6         55.0         .6         44.9         .6	ı			.4							23.6
5.         65.4         15.         56.4         25.         46.5         35.         35.5         35.3         45.         22.8           .4         65.0         .4         56.0         .4         46.1         .4         35.0         .4         22.6           .6         64.9         .6         55.9         .8         45.7         .6         34.8         .6         .2         .6         22.3           .8         64.7         .8         55.7         .8         45.7         .6         34.3         .8         34.3         .8         22.1           .6         64.3         .2         55.5         26.         45.5         36.         34.3         .8         22.1           .6         64.3         .2         55.3         .2         45.3         .2         34.1         .2         21.5           .4         64.1         .4         55.1         .4         45.1         .4         33.8         .4         .2         14.         .2         14.         .2         14.         .2         .4         .4         .2         .4         .4         .2         .4         .4         .2         .2         .2	l		65.6	.8				11 .			
1.2       65.2       2.2       56.2       2.4       46.3       2.3       35.3       2.2       22.6         2.4       65.0       3.4       46.1       35.0       34.8       35.0       4.4       22.6       22.6         2.8       64.9       8.55.7       8.55.7       3.8       45.7       36.3       34.3       34.5       22.1       22.1         6.       64.5       16.       55.5       26.       45.5       36.       34.3       46.       21.8         2.2       64.3       .2       55.3       .2       45.3       .2       34.1       .2       21.5         2.4       64.1       .4       55.1       .6       44.9       .6       33.6       .4       .2       21.0         .8       63.8       17.       54.6       27.       44.5       37.       33.1       47.       20.4         .2       63.4       .2       54.4       .4       44.1       .4       32.9       .2       20.1         .8       62.9       .8       53.8       28.       43.8       .6       32.4       .6       19.6         .8       62.9       .8       53.8<	١					11	46.5	35.		45.	
.4       64.9       .6       55.9       .6       45.9       .6       34.8       .6       22.3         .8       64.7       .8       55.7       .8       45.7       .8       34.5       .8       22.1         6.       64.5       16.       55.5       26.       45.5       36.       34.3       46.       21.8         2.2       64.3       .2       55.3       .2       45.3       .2       34.1       .2       21.5         .4       64.1       .4       55.1       .4       45.1       .4       33.8       .4       21.2         .6       64.0       .6       55.0       .6       44.9       .6       33.6       .6       21.0         .8       63.8       .8       54.8       .8       44.7       .8       33.3       .8       20.7         .2       63.4       .2       54.4       .2       44.3       .4       32.9       .2       20.1         .2       63.4       .2       54.4       .2       44.3       .4       32.6       .4       19.9         .8       62.9       .8       53.8       .8       43.4       .2       <	ı			.2		.2	46.3	N .		11	
.6       64.9       .6       55.9       .8       45.7       .8       34.5       .8       22.1         6.       64.5       16.       55.5       26.       45.5       36.       34.3       46.       21.8         .2       64.3       .2       55.3       .2       45.3       .2       34.1       .2       21.5         .4       64.1       .4       55.1       .4       45.1       .4       33.8       .4       .2       21.2         .6       64.0       .6       55.0       .6       44.9       .6       33.6       .6       21.0         .8       63.8       .8       54.8       .8       44.7       .8       33.3       .8       20.7         .2       63.4       .2       54.4       .2       44.5       37.       33.1       47.       20.4         .2       63.4       .2       54.4       .2       44.3       .4       32.9       .2       20.1         .4       63.2       .4       54.2       .4       44.1       .4       32.4       .6       19.6         .8       62.9       .8       53.8       .8       43.6	ı	.4		.4							
6.       64.7 64.3 cd.3       16.       55.5 cd.3       26.       45.5 cd.3       36.       34.3 cd.3       46.       21.8 cd.3         .4       64.1 cd.3       .4 cd.1       .4 cd.3       .4 cd.3       .2 cd.4       .2 cd.3       .4 cd.3       .2 cd.4       .2 cd.3       .4 cd.3       .2 cd.4       .2 c	ı	.6		.6							
6.       264.3       10.       2       55.3       20.       45.3       2       34.1       2       21.5         4.       64.1       .4       55.1       .4       45.1       .4       33.8       .4       21.2         8.       63.8       .8       54.8       .8       44.7       .8       33.3       .8       20.7         7.       63.6       17.       54.6       27.       44.5       37.       33.1       47.       20.4         2.       63.4       .2       54.4       .2       44.3       .2       32.9       .2       20.1         1.       .6       63.1       .6       54.0       .6       43.8       .6       32.4       .6       19.9         6.       63.1       .6       54.0       .6       43.8       .8       32.1       .8       19.6         8.       62.9       .8       53.8       .8       43.6       .8       32.1       .8       19.6         8.       62.9       .8       53.8       .2       43.2       .2       31.7       .2       18.8         8.       62.2       .6       53.0       .6	ı		64.7	11 -		18		()		13	
.4       64.1       .4       55.1       .4       45.1       .4       33.8       .4       21.2         .6       64.0       .6       55.0       .6       44.9       .6       33.6       .6       21.0         .8       63.8       .8       54.8       .8       44.7       .8       33.3       .8       20.7         7.       63.6       17.       54.6       27.       44.5       37.       33.1       47.       20.4         2.2       63.4       .2       54.4       .2       44.3       .2       32.9       .2       20.1         .4       63.2       .4       54.2       .4       44.1       .4       32.6       .4       19.9         .6       63.1       .6       54.0       .6       43.8       .6       32.4       .6       19.9         8.       62.9       .8       53.8       .8       43.6       .8       32.1       .8       19.4         .2       62.5       .2       53.4       .2       43.2       .2       31.7       .2       18.8         .4       62.3       .4       53.2       .4       42.9       .4       <	ı					1				1) .	
.6       64.0       .6       .6       .6       .6       .6       .6       .6       .6       .2       .6       .8       .6       .8       .9       .8       .8       .8       .8       .8       .8       .8       .8       .8       .9       .8       .8       .8       .8       .8       .8       .9       .9       .6       .8       .8       .8       .8       .8       .9       .8       .8       .8       .8       .8       .9       .8       .8       .8       .8       .9       .9       .6       .8       .8       .8       .8       .8       .9       .9       .8       .8       .8       .9       .9       .9       .6       .8       .8       .8       <	ı			4		II.		13		.4	
.8       63.8       .8       54.8       .8       44.7       .8       33.3       .3       .4       20.4         .2       63.4       .2       54.4       .2       44.3       .2       32.9       .2       20.1         .4       63.2       .4       54.2       .4       44.1       .4       32.6       .4       19.9         .8       62.9       .8       53.8       .8       43.6       .8       32.1       .8       19.6         .2       62.5       .2       53.4       .2       43.2       .2       31.7       .2       18.8         .4       62.3       .4       53.2       .4       42.9       .4       31.4       .4       18.6         .8       62.0       .8       52.8       .8       42.4       .8       30.9       .8       18.1         .8       62.0       .8       52.8       .8       42.4       .8       30.9       .8       18.3         .9       61.8       19.       52.6       29.       42.2       39.       30.7       49.       17.5         .4       61.4       .4       52.2       .6       41.5 <t< td=""><th>ı</th><td></td><td></td><td>6</td><td></td><td></td><td></td><td></td><td></td><td>1.0</td><td></td></t<>	ı			6						1.0	
7.       63.6       17.       54.6       27.       44.5       37.       33.1       47.       20.1         .2       63.4       .2       54.4       .2       44.3       .4       32.6       .4       19.9         .6       63.1       .6       54.0       .6       43.8       .6       32.4       .6       19.6       19.6         .8       62.9       .8       53.8       .8       43.6       .8       32.1       .8       19.6       19.4         .2       62.5       .2       53.4       .2       43.2       .2       31.7       .2       18.8       19.1       18.8       19.1       18.8       18.6       18.8<	-		63.8	.8			44.7			11	
.2       63.4       .2       54.4       .2       44.3       .4       32.9       .2       20.1         .4       63.2       .4       54.2       .4       44.1       .6       32.4       .6       .6       19.6         .8       62.9       .8       53.8       .8       43.6       .8       32.1       .8       19.6         .2       62.5       .2       53.4       .2       43.2       .2       31.7       .2       18.8         .4       62.3       .4       53.2       .4       42.9       .4       31.4       .4       18.6         .8       62.0       .8       52.8       .8       42.4       .8       30.9       .8       18.1         .9       61.8       19.       52.6       29.       42.2       39.       30.7       49.       17.8         .2       61.6       .4       .4       52.2       .4       41.8       .4       30.2       .4       49.       17.5         .4       61.4       .4       52.2       .6       41.5       .6       29.9       .6       17.0         .8       61.1       .8       51.8 <td< td=""><th></th><td></td><td></td><td></td><td>54.6</td><td>11</td><td></td><td></td><td></td><td></td><td></td></td<>					54.6	11					
.4       63.2       .6       54.0       .6       43.8       .6       32.4       .6       19.6         .8       62.9       .8       53.8       .8       43.6       .8       32.1       .8       19.4         .2       62.5       .2       53.4       .2       43.2       .2       31.7       .2       18.8         .4       62.3       .4       53.2       .4       42.9       .4       31.4       .4       18.6         .8       62.0       .8       52.8       .8       42.4       .8       30.9       .8       18.1         9.       61.8       19.       52.6       29.       42.2       39.       30.7       49.       17.8         17.5       .4       61.4       .4       52.2       .4       41.8       .4       30.2       .4       17.5         .8       61.3       .6       52.0       .6       41.5       .6       29.9       .6       17.0         .8       61.1       .8       51.8       .8       41.3       .8       29.7       .8       16.4         .6       61.3       .6       52.0       .6       41.5				.2		II.		11		11	
.8       62.9       .8       53.8       .8       43.6       .8       32.1       .8       19.4         .2       62.5       .2       53.6       28.       43.4       38.       31.9       48.       19.1         .2       62.5       .2       53.4       .2       43.2       .2       31.7       .2       18.8         .4       62.3       .4       53.2       .4       42.9       .4       31.4       .4       18.6         .8       62.0       .8       52.8       .8       42.4       .8       30.9       .8       18.1         9.       61.8       19.       52.6       29.       42.2       39.       30.7       49.       17.8         17.5       .4       61.4       .4       52.2       .4       41.8       .4       30.2       .4       17.5         .8       61.3       .6       52.0       .6       41.5       .6       29.9       .6       17.0         .8       61.1       .8       51.8       .8       41.3       .8       29.7       .8       16.4				.4					32.0		
8.     62.7     18.     53.6     28.     43.4     38.     31.9     48.     19.1       .2     62.5     .2     53.4     .2     43.2     .2     31.7     .2     18.8       .4     62.3     .4     53.2     .4     42.9     .4     31.2     .6     18.6       .8     62.0     .8     52.8     .8     42.4     .8     30.9     .8     18.1       9.     61.8     19.     52.6     29.     42.2     39.     30.7     49.     17.8       17.5     .2     52.4     .2     42.0     .2     30.4     .2     17.5       .4     61.4     .4     52.2     .4     41.8     .4     30.2     .4     17.2       .6     61.3     .6     52.0     .6     41.5     .6     29.9     .6     17.0       .8     61.1     .8     51.8     .8     41.3     .8     29.7     .8     16.4       .8     61.7     .8     51.8     .8     41.3     .8     29.7     .8     16.4		.6	63.1	.0	54.0	0.0	43.8				19.4
3. 2       62.5       3.2       53.4       3.2       34.2       31.7       31.4       31.4       31.8       31.8       31.8       31.8       31.2       31.4       31.2       31.3       31.3       31.3       31.3       31.3       31.4       31.2       31.3       <					53.6		43.4	38.		48.	19.1
.4       62.3       .4       53.2       .4       42.9       .4       31.2       .4       .6       18.3         .8       62.0       .8       52.8       .8       42.4       .8       30.9       .8       18.1         9.       61.8       19.       52.6       29.       42.2       39.       30.7       49.       17.5         .2       61.6       .4       52.2       .4       41.8       .4       30.2       .2       17.0         .8       61.1       .8       51.8       .8       41.3       .8       29.7       .8       16.7         16.4       .8       51.8       .8       41.3       .8       29.4       50.       16.4				10.		73					18.8
.6       62.2       .6       53.0       .6       42.7       .6       31.2       .6       18.3         .8       62.0       .8       52.8       .8       42.4       .8       30.9       30.7       .8       18.1         .9       61.8       19.       52.6       29.       42.2       39.       30.7       30.4       49.       17.8         .4       61.4       .4       52.2       .4       41.8       .4       30.2       .4       17.5         .6       61.3       .6       52.0       .6       41.5       .6       29.9       .6       17.0         .8       61.1       .8       51.8       .8       41.3       .8       29.7       .8       16.7         .9       41.5       .8       41.3       .8       29.4       59.4       59.4				.4		11		.4			
.8     62.0     .8     52.8     .8     42.4     .8     30.9     30.7     49.     17.8       .2     61.6     .2     52.4     .2     42.0     .2     30.4     30.2     .2     17.8       .4     61.4     .4     52.2     .4     41.8     .4     30.2     .4     17.0       .8     61.3     .6     52.0     .6     41.5     .6     29.9     .6     17.0       .8     61.1     .8     51.8     .8     41.3     .8     29.7     .8     16.7       16.4			62.2	.6	53.0	.6	42.7	.6			
9. 61.8 19. 52.6 29. 42.2 39. 30.7 30.4 30.4 .2 17.5 17.5 17.5 17.5 17.5 17.5 17.5 17.5		.8		.8	52.8						
.2     61.6     .2     52.4     .2     42.0     .2     30.4     .2     17.2       .4     61.4     .4     52.2     .4     41.8     .4     30.2     .4     17.2       .6     61.3     .6     52.0     .6     41.5     .6     29.9     .6     17.0       .8     61.1     .8     51.8     .8     41.3     .8     29.7     .8     16.7       .9     4     50.     16.4			61.8		52.6						
.4 61.4 .4 52.2 .4 41.5 .6 29.9 .6 17.0 .8 61.1 .8 51.8 .8 41.3 .8 29.7 .8 16.7 16.4		.2				11		13		- 11	
.6 61.3 .0 52.0 .0 41.3 .8 29.7 .8 16.7 .8 51.8 .8 41.3 .8 29.7 16.4				1 .4							
1 200 2 20 411 40 29.4 50 16.4				.0				.8			16.7
10. 00.0		11		11		13		13		50.	16.4
		10.	00.5	10.	J	3	1	1		1	

## TEMPERATURE 49.

1									
Wts. &	n	Wts. &	Per	Wts. &	ъ	NATA O	73	NATE OF	-
						Wts. &		Wts. &	
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
on	over	on	over	on	under	on	under		under
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
50.	16.4	60.	1.9	70.	14.8	80.	36.2	90.	70.5
.2	16.1	.2	1.6	.2	15.2	.2	36.7	.2	71.2
.4	15.8	•4	1.3	.4	15.6	.4	37.2	.4	71.9
.6	15.6	.6	1.0	.6	15.9	.6	37.7	.6	72.7
.8	15.3	.8	.7	.8	16.3	.8	38.2	.8	73.4
51.	15.0	6r.	.4	71.	16.7	8r.	38.7	91.	74.1
.2	14.7	.2	.1	.2	17.1	.2	39.3	.2	74.8
	14.4		.2		17.5	1	39.8	1	
•4	14.2	·4 .6	.6	•4	17.8	•4		•4	75.5
.6	13.9		.0	.6		.6	40.4	.6	76.2
.8		.8	.9 1.2	.8	18.2	.8	40.9	.8	76.9
52.	13.6	62.	1.2	72.	18.6	82.	41.5	92.	77.6
.2	13.3	.2	1.5	.2	19.0	.2	42.1	.2	78.3
•4	13.0	•4	1.8	.4	19.4	•4	42.7	•4	78.9
.6	12.8	.6	2.2	.6	19.7	.6	43.3	.6	79.6
.8	12.5	.8	2.5	.8	20.1	.8	43.9	.8	80.2
53.	12.2	63.	2.8	73-	20.5	83.	44.5	93.	80.9
.2	11.9	.2	3.1	.2	20.9	.2	45.1	.2	81.5
-4	11.6	.4	3.4	.4	21.3	.4	45.8	.4	82.1
.6	11.4	.6	3.8	.6	21.6	.6	46.4	.6	82.8
.8	11.1	.8	4.1	.8	22.0	.8	47.1	.8	83.4
54.	10.8	64.	4.4	74.	22.4	84.	47.7	94.	84.0
.2	10.5	.2	4.7	.2	22.8	.2	48.4	.2	84.6
.4	10.2	.4	5.1		23.2		49.1		85.2
.6	9.9	.6	5.4	•4	23.7	.4	49.9	•4	
.8	9.6	.8	5.8	.6	24.1	.6		.6	85.8
	9.3		6.1	.0		.8	50.6	.8	86.4
55.	9.0	65.		75-	24.5	85.	51.3	95.	87.0
.2	8.7	.2	6.4	.2	24.9	.2	52.0	.2	87.6
1 .4		•4	6.8	•4	25.4	•4	52.8	•4	88.1
.6	8.5	.6	7.1	.6	25.8	.6	53.5	.6	88.7
.8	8.2	.8	7.5	.8	26.3	.8	54.3	.8	89.2
56.	7.9	66.	7.8	76.	26.7	86.	55.0	96.	89.8
.2	7.6	.2	8.1	.2	27.1	.2	55.8	.2	90.4
.4	7.3	-4	8.5	.4	27.6	.4	56.6	.4	91.9
.6	7.0	.6	8.3	.6	28.0	.6	57.4	.6	91.5
.8	6.7	.8	9.2	.8	28.5	.8	58.2	.8	92.0
57-	64	67.	9.5	77.	28.9	87.	59.0	97.	92.6
.2	6.1	.2	9.8	.2	29.4	.2	59.8	.2	93.1
.4	5.8	.4	10.2	.4	29.8	.4	60.6	.4	93.6
.6	5.5	.6	10.5	.6	30.3	.6	61.3	.6	94.2
.8	5.2	.8	10.9	.8	30.7	.8	62.1	.8	94.7
58.	4.9	68.	11.2	78.		88.			
.2	4.6		11.6		31.2		62.9	98.	95.2
.4	4.3	.2	11.9	.2	31.7	.2	63.7	.2	95.7
.6	4.0	•4	12.3	•4	32.2	•4	64.4	•4	96.2
.8	3.7	.6		.6	32.6	.6	65.2	.6	96.6
		.8	12.6	.8	33.1	.8	65.9	.8	97.1
59.	3.4	69.	13.0	79.	33.6	89.	66.7	99.	97.6
,2	3.1	.2	13.4	.2	34.1	.2	67.5	.2	98.1
•4	2.8	•4	13.7	•4	34.6	-4	68.2	•4	98,6
.6	2.5	.6	14.1	.6	35.2	.6	69.0	.6	99.0
.8	2.2	.8	14.4	.8	35.7	.8	69.7	.8	99.5
60.	1.9	70.	14.8	80.	36.2	90.	70.5		100.0
					1				

## TEMPERATURE 50°.

Wts.&	Per	Wts. &	Per						
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.		Divs.	Cent.
on	over	on	over	on	over	on	over	on	over
Stem.	Proof.	Stem.	Proof.	Stem.		Stem.	Proof.	Stem.	Proof.
								1	
О.	69.3	10.	60.7	20.	51.4	30.	40.9		29.1
.2	69.1	.2	60.5	.2	51.2	.2	40.7	,2	28.9
.4	69.0	.4	60.3	.4	51.0	.4	40.5	.4	28.6
.6	68.8	.6	60.2	.6	50.8	.6	40.2	.6	28.4 28.1
.8	68.7	.8	60.0 59.8	.8	50.6 50.4	.8	40.0 39.8	.8 41.	27.9
I.	68.5 68.3	11.	59.6	21.	50.4	31.	39.6	.2	27.6
.2	68.2	.2	59.4	.2	50.0	.4	39.3	.4	27.4
.6	68.0	.4	59.3	.6	49.8	6	39.1	.6	27.1
.8	67.9	.8	59.1	.8	49.6	.8	38.8	.8	26.9
2.	67.7	12.	58.9	22.	49.4	32.	38.6	42.	26.6
.2	67.5	.2	58.7	.2	49.2	.2	38.4	.2	26.4
.4	67.3	.4	58.5	.4	49.0	.4	38.2	.4	26.1
.6	67.2	.6	58.4	.6	48.8	.6	37.9	.6	25.9
.8	67.0	.8	58.2	.8	48.6	.8	37.7	.8	25.6
3.	66.8	13.	58.0	23.	48.4	33.	37.5	43-	25.4
.2	66.6	.2	57.8	.2	48.2	.2	37.3	.2	25.1
.4	66.5	.4	57.6	.4	48.0	.4	37.0	•4	24.9
.6	66.3	.6	57.5	.6	47.7	.6	36.8	.6	$24.6 \\ 24.4$
.8	66.2	.8	57.3	.8	47.5	.8	36.5	.8	24.4
4-	66.0	14.	57.1	24.	47.3	34.	36.3 36.1	44.	23.8
.2	65.8	.2	56.9	.2	47.1 46.9	.2	35.9	.4	23.6
.4	65.7	.4	56.7	•4	46.7	.4	35.6	.6	23.3
.6	65.5 65.4	.6	56.6	.6	46.5	.8	35.4	.8	23.1
.8	65.2	1	56.2	25.	46.3	35.	35.2	45.	22.8
5.	65.0	15.	56.0	.2	46.1	33.	35.0	.2	22.5
.2	64.8	11 .4	55.8	.4	45.9	.4	34.7	-4	22.2
.6	64.7	.6	55.7	.6	45.6	.6	34.5	.6	22.0
.8	64.5	.8	55.5	.8	45.4	.8	34.2	.8	21.7
6.	64.3	16.	55.3	26.	45.2	36.	34.0	46.	21.4
.2	64.1	.2	55. l	.2	45.0	.2	33.8	.2	21.1
.4	63.9	.4	54.9	•4	44.8	.4	33.5	.4	20.9
.6	63.8	.6	54.7	.6	44.6	.6	33.3	.6	20.6
.8	63.6	.8	54.5	.8	44.4	.8	33.0 32.8	.8	$\begin{bmatrix} 20.4 \\ 20.1 \end{bmatrix}$
7.	63.4	17.	54.3	27.	44.2	37.	32.6	47.	19.8
.2	63.2	.2	54.1	.2	44.0 43.8		32.3	.4	
.4	63.0	.4	53.9 53.7	.6	43.5	.4	32.1	.6	19.3
.6	62.9	.6		.8	43.3	.8	31.8	.8	19.1
.8	62.7	18.	53.3	28.	43.1	38.	31.6	48.	18.8
8.	62.5 62.3	10.	53.1	.2	42.9	.2	31.4	.2	18.5
.2	62.1	.4	52.9	.4	42.7	.4	31.1	.4	18.2
1 .6	62.0	.6	52.8	.6	42.4	,6	30.9	.6	18.0
.8	61.8	.8	52.6	.8	42.2	.8	30.6	.8	17.7
9.	61.6	19.	52.4	29.	42.0	39.	30.4	49.	17.4
.2	61.4	.2	52.2	.2	41.8	.2	30.1	.2	17.1
.4	61.2	.4	52.0	-4	41.6	1 .4	29.9	•4	16.9
.6	61.1	.6	51.8	.6	41.3	.6	29.6	.6	16.6 16.4
.8	60.9	.8	51.6	.8	41.1	8.	29.4	D.	16.1
10.	60.7	20.	51.4	30.	40.9	40.	29.1	50.	10.1
	1	4	,	1	b	11		1	

# TEMPERATURE 50°.

	_	TYPI A	70.	TYYA B.	Per	Wts. &	Per	Wts. &	D
Wts. &		Wts. &		Wts. &					
Divs.	Cent.	Divs.	Cent.		Cent.	Divs.	Cent. under	Divs.	Cent. under
on	over	on	over	on	under Proof.	on	Proof.	on Stem.	Froof.
Stem.	Proof.	Stem.	Proof.	Stem.	E LOOI"	Stem.	I root.	Stem.	F 1001.
	16.1	60.	1.5	70.	15.1	80.	36.5	90.	70.7
50.	15.8	.2	1.2	.2	15.5	.2	37.0	90.	71.4
.2	15.5	.4	.9	.4	15.9	.4	37.5		72.1
1 -4	15.3	.6	.6	.6	16.2	.6	38.1	.6	72.9
.6 .8	15.0	.8	.3	.8	16.6	.8	38.6	.8	73.6
	14.7	61.		71.	17.0	81.	39.1	91.	74.3
5I. .2	14.4	.2	.3	.2	17.4	.2	39.7	.2	75.0
	14.1	.4	.6	.4	17.8	.4	40.2	-4	75.7
.4	13.9	.6	.0	.6	18.1	.6	40.8	.6	76.3
.8	13.6	.8	.9 1.2	.8	18.5	.8	41.3	.8	77.0
	13.3	62.	1.5	72.	18.9	82.	41.9	92.	77.7
52. .2	13.0	.2	1.8	.2	19.3	.2	42.5	.2	78.4
.4	12.7	.4	2.1	.4	19.7	.4	43.1	.4	79.0
.6	12.5	.6	$\frac{2.1}{2.5}$	.6	20.1	.6	43.7	.6	79.7
.8	12.2	.8	2.8	.8	20.5	.8	44.3	.8	80.3
53.	11.9	63.	3.1	73.	20.9	83.	44.9	93.	81.0
.2	11.6	.2	3.4	.2	21.3	.2	45.5	.2	81.6
.4	11.3	.4	3.7	-4	21.7	.4	46.2	.4	82.2
.6	11.1	.6	4.1	.6	22.0	.6	46.8	.6	82.9
.8	10.8	.8	4.4	.8	22.4	.8	47.5	.8	83.5
54.	10.5	64.	4.7	74.	22.8	84.	48.1	94.	84.1
.2	10.2	.2	5.0	.2	23.2	.2	48.8	.2	84.7
.4	9.9	•4	5.4	.4	23.6	.4	49.5	.4	85.3
.6	9.6	.6	5.7	.6	24.1	.6	50.3	.6	85.9
.8	9.3	.8	6.1	.8	24.5	.8	51.0	.8	86.5
55.	9.0	65.	6.4	75.	24.9	85.	51.7	95.	87.1
.2	8.7	.2	6.7	.2	25.3	.2	52.4	.2	87.7
•4	8.4	-4	7.1	.4	25.7	.4	53.2	.4	88.2
.6	8.1	.6	7.4	.6	26.2	.6	53.9	.6	88.8
.8	7.8	.8	7.8	.8	26.6	.8	54.7	.8	89.3
56.	7.5	66.	8.1	76.	27.0	86.	55.4	96.	89.9
.2	7.2	.2	8.4	.2	27.4	.2	56.2	.2	90.4
-4	6.9	-4	8.8	•4	27.9	- 4	57.0	-4	91.0
.6	6.7	.6	9.1	.6	28.3	.6	57.7	.6	91.5
.8	6.4	.8	9.5	.8	28.8	.8	58.5	.8	92.1
57-	6.1	67.	9.8	77-	29.2	87.	59.3	97-	92.6
.2	5.8	.2	10.1	.2	29.7	.2	60.1	.2	93.1
.4	5.5	•4	10.5	•4	30.1	•4	60.9	•4	93.6
.6	5.2	.6	10.8	.6	30.6	.6	61.6	.6	94.2
.8	4.9	.8	11.2	.8	31.0	.8	62.4	.8	94.7
58.	4.6	68.	11.5	78.	31.5	88.	63.2	98.	95.2
.2	4.3	.2	11.9	.2	32.0	.2	64.0	.2	95.7
•4	4.0	•4	12.2	•4	32.5	•4	64.7	•4	96.2
.6	3.7	.6	12.6	.6	32.9	.6	65.5	.6	96.6
.8	3.4	.8	12.9	.8	33.4	80.8	66.2	.8	97.1
59.	3.1	69.	13.3	79.	33.9	89.	67.0	99.	97.6
.2	2.8	.2	13.7	.2	34.4	.2	67.7	.2	98.1
.4	2.5	•4	14.0	.4	34.9	•4	68.5	•4	98.6
.6	2.1 1.8	.6	14.4	.6	35.5 36.0	.6	69.2 70.0	.6	$\begin{array}{c} 99.0 \\ 99.5 \end{array}$
.8	11		14.7	.8			70.7		
60.	1.5	70.	15.1	80.	36.5	90.	10.1	100.	100.0
	"	1	U.						

# TEMPERATURE 51°.

T		1	1		11				4	
w	ts.&	Per	Wts.	t Per	Wts.	& Per	Wts. 8	Per	Wts. 8	Per
	ivs.	Cent.	Divs.				Divs.	Cent.		Cent.
	on	over	on	over	on	over		over		over
St	em.	Proof.	Stem	. Proof	Sterr	L Proo	f. Stem.			Proof.
		69.0		COF	-	_				-
H	0.	68.8	10.	60.5	11	51.1	11 0	40.6		28.8
	.4	68.7	.2					40.4		28.6
	.6	68.5	.4 .6		1 .6			40.2 39.9		28.3
	.8	68.4	.8		3.			39.7	.6	28.1 27.8
11 7	r.	68.2	II.	59.6	21.	50.1	31.	39.5	41.	27.6
	.2	68.0	.2	59.4	.2			39.3	.2	27.3
	.4	67.9	.4	59.2	1 .4	49.7	.4	39.0	1 .4	27.1
	.6	67.7	.6	59.1	.6	49.5	.6	38.8	.6	26.8
	.8	67.6	.8	58.9	.8	49.3	.8	38.5	.8	26.6
	. 1	67.4 67.2	12.	58.7	22.	49.1	32.	38.3	42.	26.3
	.2	67.1	.2	58.5	.2	40 -	- 16	38.1	.2	26.1
	.4	66.9	.4 .6	58.3	•4			37.9	.4	25.8
	.8	66.8	.8	58.0	.6		.6	37.6 37.4	.6	25.6 25.3
3		66.6	13.	57.8	23.	48.1	33.	37.2	43.	25.1
	.2	66.4	,2	57.6	.2	47.9	33.	37.0	43.	24.8
	.4	66.2	.4	57.4	.4	47.7	.4	36.8	.4	24.6
	.6	66.1	.6	57.3	.6	47.4	.6	36.5	.6	24.3
	.8	65.9	.8	57.1	.8		.8	36.3	.8	24.1
4		65.7	14.	56.9	24.	47.0	34.	36.1	44.	23.8
		65.5	.2	56.7	.2	46.8	.2	35.9	.2	23.5
		65.4   65.2	.4	56.5 56.3	•4	46.6	.4	35.6	.6	23.3
	8	65.1	.8	56.1	.6 .8	46.4	.8	35.4 35.1	.8	23.0 22.8
5.		64.9	15.	55.9	25.	46.0	35.	34.9	45.	22.5
		64.7	.2	55.7	.2	45.8	2	34.7	.2	22.2
	4	64.5	.4	55,5	.4	45.6	li 4 i	34.4	.4	21.9
	6	64.4	.6	55.4	.6	45.3	.6	34.2	.6	21.7
		64.2	.8	55.2	.8	45.1	.8	33.9	.8	21.4
6.		64.0	16.	55.0	26.	44.9	36.	33.7	46.	21.1
		63.8 63.7	.2	54.8 54.6	.2	44.7	.2	33.5	.2	20.8
		63.5	.4	54.6 54.4	·4 .6	44.5 44.3	.4	33.2 33.0	.6	20.6 20.3
	8	i3.4	.8	54.2	.8	44.1	.8	32.7	.8	20.3
7.		33.2	17.	54.0	27.	43.9	37.	32.5	47.	19.8
	2   6	53.0	.2	53.8	.2	43.7	2	32.3	.2	19.5
. 4		32.8	.4	53.6	.4	43.5	.4	32.0	.4	19.3
.6	5   6	52.7	.6	53.5	.6	43.2	6	31.8	.6	19.0
		2.5	.8	53.3	.8	43.0	.8	31.5	.8	18.8
8.	3 40	2.3	18.	53.1	28.	42.8	38.	31.3	48.	18.5
.2		2.1 1.9	.2	52.9 52.7	.2	42.6 42.4		31.1 30.8	.2	18.2 17.9
.6	6	1.8	.4	52.5	.6	42.4	6	30.6		17.7
.8	6	1.6	.8	52.3	.8	41.9	.8	30.3		17.4
9.	6	2 4 11	19.	52.1	29.	41.7	39.	30.1	49.	17.1
.2	6	1.2	.2	51.9	.2	41.5	.2	29.8	.2	16.8
.4	. 16	1.0	.4	51.7	.4	41 3	.4	29.6	.4	16.5
.6		0.9	.6	51.5	.6	41.0		29.3		16.3
.8		0.7		51.3	.8	40.8		29.1		16.0
IQ.	O	0.5	20.	51.1	30.	40.6	40.	28.8	50.	5.7
				- 11				13		

### TEMPERATURE 51°.

			1		d d		ł)	1	ıl	
1	Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per
H	Divs.	Cent.	Divs.	Cent.	Divs.			Cent.		
И	on	over	on	over	on	under	on	under		under
и	Stem.	Proof.	Stem.	Proof.		Proof.		Proof.		
И										
И	50.	15.7	60.	1.2	70.	15.5	80.	36.9	90.	70.9
ı	.2	15.4	.2	.9	.2	15.9	.2	37.4	.2	71.6
ı	.4	15.2	•4	.6	.4	16.3	•4	37.9	.4	72.3
I	.6	14.9	.6	.3	.6	16.6	.6	38.5	.6	73.1
Н	.8	14.7	.8	.3	.8	17.0	.8	39.0	.8	73.8
н	51.	14.4	61.	٠ <u>٥</u>	71.	17.4	81.	39.5	91.	74.5
Н	.2	14.1	.2	.6 .9	,2	17.8	.2	40.1	.2	75.2
П	.4	13.8 13.6	.4	1.3	.4 .6	18.2 18.5	.4	$\frac{40.6}{41.2}$	•4	75.8
Ш	.6	13.3	.8	1.6	.8	18.9	.6	41.7	.6	76.5 77.1
П		13.0	62.	1.9		19.3	82.	42.3	.8	77.8
и	52.	12.7	.2	2.2	72.	19.7	.2	42.9	92.	78.5
Н	.4	12.4	.4	2.5	.4	20.1	.4	43.5	.4	79.1
Ш	.6	12.1	.6	2.9	.6	20.5	.6	44.1	.6	79.8
	.8	11.8	.8	3.2	.8	20.9	.8	44.7	.8	80.4
И	53-	11.5	63.	3.5	73.	21.3	83.	45.3	93.	81.1
П	.2	11.2	.2	3.8	.2	21.7	.2	45.9	.2	81.7
Ш	.4	10.9	.4	4.1	-4	22.1	.4	46.6	.4	82.3
и	.6	10.7	.6	4.5	.6	22.4	.6	47.2	.6	83.0
п	.8	10.4	.8	4.8	.8	22.8	.8	47.9	.8	83.6
П	54	10.1	64.	5.1	74.	23.2	84.	48.5	94.	84.2
И	.2	9.8	.2	5.4	.2	23.6	.2	49.2	.2	84.8
П	•4	9.5	•4	5.8	•4	24.0	.4	49.9	.4	85.4
н	.6	9.3	.6	6.1	.6	24.5	.6	50.7	.6	86.0
п	.8	9.0 8.7	.8	6.5 6.8	.8	24.9 25.3	88	51.4	.8	86.6
И	55.	8.4	65.	7.1	75.	25.7	85.	52.1 52.8	95.	87.2
И	.4	8.1	.2	7.4	.2	26.1	.2	53.6	.2	87.8
И	.6	7.8	.6	7.8	.6	26.6	.6	54.3	.4	88.3 88.9
П	.8	7.5	.8	8.1	.8	27.0	.8	55.1	.8	89.4
П	56.	7.2	66.	8.4	76.	27.4	86.	55.8	96.	90.0
	.2	6.9	.2	8.7	.2	27.8	.2	56.6	.2	90.5
1	•4	6.6	.4	9.1	.4	28.3	.4	57.3	.4	91.1
и	.6	6.3	.6	9.4	.6	28.7	.6	58.1	.6	91.6
н	.8	6.0	.8	9.8	.8	29.2	.8	58.8	.8	92.2
ı	57-	5.7	67.	10.1	77.	29.6	87.	59.6	97.	92.7
	.2	5.4	.2	10.5	.2	30.1	.2	60.4	.2	93.2
П	•4	5.1	.4	10.8	•4	30.5	.4	61.2	.4	93.7
ı	.6	4.9	-6	11.2	.6	31.0	.6	61.9	.6	94.2
1	58.	4.6		11.5	.8	31.4	.8	62.7	.8	94.7
	50.	4.0	68.	11.9 12.3	78.	31.9		63.5	98.	95.2
	-4	3.7	.2	12.6	.2	32.4 32.9		64.2	.2	95.7
	.6	3.4	.6	13.0	.6	33.3		65.0 65.7	•4	96.2
	.8	3.1		13.3	.8	33.8	.8	66.5	.6	96.7 97.2
	59.	2.8	69.	13.7	79.	34.3		67.2	99.	97.7
	.2	2.5		14.1	.2	34.8		67.9	.2	98.2
	.4	2.2		14.4	.4	35.3		68.7		98.6
	.6	1.8	.6	14.8	.6	35.9		69.4	.6	99.1
	.8	1.5		15.1	.8	36.4	.8	70.2	.8	99.5
	60.	1.2	70.	15.5	80.	36.9	90.			00.0
L	1							N.		

### TEMPERATURE 52°.

TTT. 0	- I	7771 . P.	70	TTT. 0	70	TTT. 0	72	TTT	2
Wts. &	Per	Wts. &		Wts. &		Wts. &		Wts.&	
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
on	over	on	over	on	over	on	over	on	over
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
0.	68.8	10.	60.2	20.	50.9	30.	40.3	40.	28.5
.2	68.6	.2	60.0	.2	50.7	.2	40.1	.2	28.3
•4	68.5	.4	59.8	.4	50.5	•4	39.9	.4	28.0
.6	68.3	.6	59.7	.6	50.3	.6	39.6	.6	27.8
.8	68.2	.8	59.5	.8	50.1	.8	39.4	.8	27.5
1.	68.0	II.	59.3	21.	49.9	31.	39.2	41.	27.3
.2	67.8	.2	59.1	.2	49.7	.2	39.0	.2	27.0
	67.7	.4	58.9	.4	49.5	.4	38.8		26.8
.4		.6	58.8	.6	49.3		38.5	.4	26.5
.6	67.5	.8	50.0	.0		.6		.6	
.8	67.4		58.6	.8	49 1	.8	38.3	.8	26.3
2.	67.2	12.	58.4	22.	48.9	32.	38.1	42.	26.0
.2	67.0	.2	58.2	.2	48.7	.2	37.9	.2	25.8
.4	66.9	.4	58.0	•4	48.5	•4	37.6	•4	25.5
.6	66.7	.6	57.9	.6	48.2	.6	37.4	.6	25.3
.8	66.6	.8	57.7	.8	48.0	.8	37.1	.8	25.0
3.	66.4	13.	57.5	23.	47.8	33.	36.9	43.	24.8
.2	66.2	.2	57.3	.2	47.6	.2	36.7	.2	24.5
.4	66.0	.4	57.1	.4	47.4	.4	36.5	-4	24.3
.6	65.9	.6	57.0	.6	47.1	.6	36.2	.6	24.0
.8	65.7	.8	56.8	.8	46.9	.8	36.0	.8	23.8
4.	65.5	14.	56.6	24.	46.7	34.	35.8	44.	23.5
.2	65.3	.2	56.4	.2	46.5	.2	35.6	.2	23.2
		.4	56.2	.4	46.3	4	35.3	11	23.0
1 .4	65.1	.6	56.1		46.1	.4	35.1	•4	22.7
.6	65.0	.8		.6		.6		.6	22.5
.8	64.8		55.9	.8	45.9	1	34.8	.8	00.0
5-	64.6	15.	55.7	25.	45.7	35.	34.6	45.	22.2
.2	64.4	.2	55.5	.2	45.5	.2	34.4	.2	21.9
.4	64.3	.4	55.3	.4	45.3	.4	34.1	•4	21.6
.6	64.1	.6	55.1	.6	45.0	.6	33.9	.6	21.4
.8	64.0	.8	54.9	.8	44.8	.8	33.6	.8	21.1
6.	63.8	16.	54.7	26.	44.6	36.	33.5	46.	20.8
.2	63.6	.2	54.5	.2	44.4	.2	33.2	.2	20.5
.4	63.4	4	54.3	.4	44.2	.4	32.9	.4	20.3
.6	63.3	.6	54.1	.6	44.0	.6	32.7	.6	20.0
.8	63.1	.8	53.9	.8	43.8	.8	32.4	.8	19.8
	62.9		53.7		43.6	37.	32.2	47.	19.5
7.		17.	53.5	27.	43.4	.2	32.0	.2	19.2
.2	62.7	.4	53.3	H	43.2	1	31.7	.4	19.0
.4	62.5	.4		.4		-4	31.5	.6	18.7
.6	62.4	.6	53.2	.6	42.9	.6		.8	18.5
.8	62.2		53.0	.8	42.7	.8	31.2		10.0
8.	62.0	18.	52.8	28.	42.5	38.	31.0	48.	18.2
.2	61.8	,2	52.6	.2	42.3	.2	30.8	.2	17.9
•4	61.6	.4	52.4	•4	42.1	-4	30.5	.4	17.6
.6	61.5	.6	52.3	.6	41.8	.6	30.3	.6	17.4
.8	61.3	.8	52.1	.8	41.6	.8	30.0	.8	17.1
9.	61.1	19.	51.9	29.	41.4	39.	29.8	49.	16.8
.2	60.9	.2	51.7	.2	41.2	.2	29.5	.2	16.5
.4	60.7	.4	51.5	.4	41.0	.4	29.3	.4	16.2
.6	60.6	.6	51.3	.6	40.7	6.	29.0	.6	16.0
.8	60.4	.s	51.1	.8	40.5	.8	28.8	.8	15.7
			50.9		40.3	40.	28.5	50.	15.4
10.	60.2	20.	00.0	30.	30,0	40.	23.0	3-	
		1		"	1	1			

# TEMPERATURE 52°.

		****	-	777.	70	777.	_		
Wts. &		Wts.&	Per	Wts. &		Wts. &		Wts. &	
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
on	over	on	over	on	under	on	under	on	under
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
70	15.4	60.	.9	70.	15.9	80.	37.3	90.	71.1
50.	15.1	.2	.6	.2	16.3	.2	37.8	.2	71.8
.4	14.8	•4	.3	.4	16.7	.4	38.3	.4	72.5
	14.6		.1		17.0				
.6		.6 .8	.4	.6		.6	38.9 39.4	.6	73.2
.8	14.3		.7	.8	17.4 17.8	8.8		.8	73.9
51.	14.0 13.7	61.	1.0	71.	18.2	81.	39.9 40.5	91.	74.6
.2	13.5	15	1.3	.2	18.6	.2	41.0	.2	75.3
.6	13.2	.6	1.6	·4 .6	18.9	.6	41.6	•4	76.0 76.6
.8	13.0	.8	1.0	.8	19.3	.8	42.1	.6	
	12.7	62.	$\frac{1.9}{2.2}$		19.7	82.	42.7	.8	77.3
52.	12.4	.2	$\frac{2.2}{2.5}$	72.	20.1	.2	43.3	92.	78.0 78.6
.4	12.4	.4	2.8		$\frac{20.1}{20.5}$	1	43.9	.2	79.3
.6	11.8	.6	3.2	·4 .6	$\frac{20.0}{20.9}$	.4 .6	44.5	.4	79.9
.8	11.5	.8	$\frac{3.2}{3.5}$	.8	21.3	.8	45.1	.6 .8	80.6
53.	11.2	63.	3.8	73.	21.7	83.	45.7	93.	81.2
,2	10.9	.2	4.1	.2	22.1	.2	46.3	93.	81.8
.4	10.6	.4	4.5	.4	22.5	.4	47.0	.4	82.4
.6	10.4	.6	4.8	.6	22.8	.6	47.6	.6	83.1
.8	10.1	.8	5.2	.8	23.2	.8	48.3	.8	83.7
54-	9.8	64.	5.5		23.6	84.	48.9	94.	84.3
.2	9.5	,2	5.8	74.	24.0	.2	49.6	.2	84.9
.4	9.2	.4	6.2	.4	24.4	.4	50.3	.4	85.5
.6	9.0	.6	6.5	.6	24.9	.6	51.1	.6	86.0
.8	8.7	.8	6.9	.8	25.3	.8	51.8	.8	86.6
55.	8.4	65.	7.2	75.	25.7	85.	52.5	95.	87.2
.2	8.1	.2	7.5	.2	26.1	.2	53.2	.2	87.8
.4	7.8	.4	7.8	.4	26.5	.4	53.9	.4	88.3
.6	7.5	.6	8.2	.6	27.0	.6	54.7	.6	88.9
.8	7.2	.8	8.5	.8	27.4	.8	55.4	.8	89.4
56.	6.9	66.	8.8	76.	27.8	86.	56.1	96.	90.0
.2	6.6	.2	9.1	.2	28.2	.2	56.9	.2	90.5
.4	6.3	.4	9.5	.4	28.7	.4	57.6	.4	91.1
.6	6.0	.6	9.8	.6	29.1	.6	58.4	.6	91.6
.8	5.7	.8	10.2	.8	29.6	.8	59.1	.8	92.2
57.	5.4	67.	10.5	77-	30.0	87.	59.9	97.	92.7
.2	5.1	.2	10.9	.2	30.5	.2	60.7	.2	93.2
.4	4.8	.4	11.2	•4	30.9	.4	61.5	.4	93.7
.6	4.5	.6	11.6	.6	31.4	.6	62.2	.6	94.3
.8	4.2	.8	11.9	.8	31.8	.8	63.0	.8	94.8
58.	3.9	68.	12.3 12.7	78.	32.3	88.	63.8	98.	95.3
.2	3.6	.2	12.7	.2	32.8	.2	64.5	.2	95.8
•4	3.3	-4	13.0	•4	33.3	.4	65.3	•4	96.3
.6	3.0	.6	13.4	.6	33.7	.6	66.0	.6	96.7
.8	2.7	.8	13.7	.8	34.2	.8	66.8	.8	97.2
59.	2.4	69.	14.1	79.	34.7	89.	67.5	99.	97.7
.2	2.1	.2	14.5	.2	35.2	.2	68.2	.2	98.2
.4	1.8	•4	14.8	1 .4	35.7	.4	68.9	.4	98.7
.8	1.5	.6	15.2	.6	36.3	.6	69.7	.6	99.1
60.	1.2	.8	15.5	8.	36.8	.8	70.4	.8	99.6
1 00.	.9	70.	15.9	80.	37.3	90.	71.1	100.	
	1	11	4	IĮ.		1	4	11	

### TEMPERATURE 53°.

Ī								_	
Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Dan
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Per Cent:
on	over	on	over	on	over	on	over	on	over
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
				0001111			1 1001.	Ducin.	11001.
О.	68.6	10.	60.0	20.	50.6	30.	40.0	40.	28.2
.2	68.4	.2	59.8	.2	50.4	.2	39.8	.2	28.0
.4	68.3	.4	59.6	•4	50.2	-4	39.6	.4	27.7
.6	68.1	.6	59.5	.6	50.0	.6	39.3	.6	27.5
.8	68.0	.8	59.3	.8	49.8	.8	39.1	.8	27.2
I.	67.8	II.	59.1	21.	49.6	31.	38.9	41.	27.0
.2	67.6	.2	58.9	,2	49.4	.2	38.7	.2	26.7
•4	67.5	•4	58.7	.4	49.2	•4	38.5	.4	26.5
.6	67.3	.6	58.6	.6	49.0	.6	38.2	.6	26.2
.8	67.2	.8	58.4	.8	48.8	.8	38.0	.8	26.0
2.	67.0	12.	58.2	22.	48.6 48.4	32.	37.8 37.6	42.	25.7 $25.5$
.2	66.8	.2	58.0 57.8	.2	48.4	.2	37.3	.2	25.5 25.2
.6	66.7	.4	57.8 57.7	.4	47.9	·4 .6	37.1	.4 .6	25.2 25.0
.8	66.5 66.4	.8	57.5	.8	47.7	.8	36.8	.8	24.7
	66.2	13.	57.3	23.	47.5	33.	36.6	43.	24.5
3.2	66.0	13.	57.1	.2	47.3	.2	36.4	.2	24.2
.4	65.8	.4	56.9	.4	47.1	.4	36.2	.4	24.0
.6	65.7	.6	56.8	.6	46.9	.6	35.9	.6	23.7
.8	65.5	.8	56.6	.8	46.7	.8	35.7	.8	23.5
4.	65.3	14.	56.4	24.	46.5	34-	35.5	44.	23.2
.2	65.1	.2	56.2	.2	46.3	.2	35.3	.2	22.9
.4	64.9	•4	56.0	.4	46.1	•4	35.0	•4	22.6
.6	64.8	.6	55.9	.6	45.9	.6	34.8	.6	22.4
.8	64.6	.8	55.7	.8	45.7	.8	34.5	.8	22.1
5.	64.4	15.	55.5	25.	45.5	35.	34.3	45.	21.8
.2	64.2	.2	55.3	.2	45.3	.2	34.1	.2	21.5
•4	64.1	.4	55.1	.4	45.1	•4	33.8	•4	21.3
.6	63.9	.6	54.9	.6	44.8	.6	33.6	.6	21.0
.8	63.8	.8	54.7	.8	44.6	.8	33.3 33.1	46.	20.8
6.	63.6	16.	54.5	26.	44.4	36.	32.9	.2	$\begin{array}{c} 20.5 \\ 20.2 \end{array}$
.2	63.4	.2	54.3	.2	44.2	.2	32.6	.4	20.2
•4	63.2	.4	54.1 53.9	.6	43.7	.4	32.4	.6	19.7
.6	63.1	.8	53.7	.8	43.5	8.	32.1	.8	19.5
	62.7	17.	53.5	27.	43.3	37.	31.9	47.	19.2
7.	62.5	.2	53.3	.2	43.1	.2	31.7	.2	18.9
.4	62.3	.4	53.1	.4	42.9	.4	31.4	.4	18.7
.6	62.2	1 .6	53.0	.6	42.6	.6	31.2	.6	18.4
.6 .8	62.0	.8	52.8	.8	42.4	.8	30.9	.8	18.2
8.	61.8	18.	52.6	28.	42.2	38.	30.7	48.	17.9
.2	61.6	.2	52.4	.2	42.0	.2	30.4	.2	17.6
.4	61.4	.4	52.2	.4	41.8	1 .4	30.2	•4	17.3
.6	61.3	.6	52.0	.6	41.5	.6	29.9	.6	17.1
.8	61.1	.8	51.8	.8	41.3	.8	29.7	.8	16.8
9.	60.9	19.	51.6	29.	41.1	39.	29.4	49.	16.5
.2	60.7	.2	51.4	.2	40.9	.2	28.9	.2	16.2 15.9
•4	60.5	.4	51.2	.4	40.7	.6	28.7	1 .6	15.7
.6	60.4	.6	51.0 50.8	.6	40.4	.8	28.4	.s	15.4
.8	60.2	.8		18	40.0	40.	28.2	50.	15.1
10.	60.0	20.	50.6	30.	10.0	40.			1
I	1	di)		1,					

### TEMPERATURE 53°.

				1		ı		11	
Wts. &	Per	Wts. &	Por	Wts. &	Per	Wts. &	Per	Wts. &	Per
	Cent.	Divs.	Cent.	Divs.	Cent.	Diva	Cent.	Divs.	Cent.
on on	over	on	under	on	under	on	under	on	under
	Proof.	Stem.		Stem.			Proof.	Stem.	
								Docini	
50.	15.1	60.	.6	70.	16.2	80.	37.7	90.	71.3
.2	14.8	.2	2	.2	16.6	2	38.2	.2	72.0
.4	14.5		.4 .7 1.0		17.0	.4	38.7	.4	72.7
.6	14.3	·4 .6	.4	•4 .6	17.3	.6	39.3	.6	73.4
.8	14.0	.8	.7	.8	17.7	.8	39.8	.8	74.1
51.	13.7	61.	1.0	71.	18.1	8r.	40.3	91.	74.8
.2	13.4	.2	1.3	.2	18.5	.2	40.9	.2	75.5
.4	13.1		1.6		18.9	•4	41.4	.4	76.1
.6	12.9	·4 .6	2.0	.4 .6	19.2	.6	42.0	.6	76.8
.8	12.6	.8	2.3	.8	19.6	.8	42.5	.8	77.4
52.	12.3	62.	2.6	72.	20.0	82.	43.1	92.	78.1
.2	12.0	.2	2.9	.2	20.4	.2	43.7	.2	78.7
	11.7	.4	3.2	.4	20.8	.4	44.3	.4	79.4
.4	11.5	.6	3.5	.6	21.2	.6	44.9	.6	80.0
.8	11.2	.8	3.8	.8	21.6	.8	45.5	.8	80.7
53.	10.9	63.	4.1	73.	22.0	83.	46.1	93.	81.3
.2	10.6	.2	4.4	.2	22.4	83.	46.7	.2	81.9
.4	10.3	.4	4.8	.4	22.8	.4	47.4	.4	82.5
.6	10.1	.6	5.1	.6	23.2	.6	48.0	.6	83.2
.8	9.8	.8	5.5	.8	23.6	.8	48.7	.8	83.8
54-	9.5	64.	5.8	74-	24.0	84.	49.3	94.	84.4
.2	9.2	.2	6.1	.2	24.4	.2	50.0	.2	85.0
.4	8.9	.4	6.5	.4	24.8	.4	50.7	.4	85.6
.6	8.7	.6	6.8	.6	25.3	.6	51.5	.6	86.1
.8	8.4	.8	7.2	.8	25.7	.8	52. <b>2</b>	.8	86.7
55.	8.1	65.	7.5	75.	26.1	85.	52.9	95.	87.3
.2	7.8	.2	7.8	.2	26.5	.2	53.6	.2	87.9
.4	7.5	.4	8.2	.4	26.9	.4	54.3	.4	88.4
.6	7.2	.6	8.5	.6	27.4	.6	55.1	.6	89.0
.8	6.9	.8	8.9	.8	27.8	.8	55.8	.8	89.5
56.	6.6	66.	9.2	76.	28.2	86.	56.5	96.	90.1
.2	6.3	.2	9.5	.2	28.6	.2	57.2	.2	90.6
.4	6.0	.4	9.9	.4	29.1	-4	58.0	.4	91.2
.4	5.7	.6	10.2	.6	29.5	.6	58.7	.6	91.7
.8	5.4	.8	10.6	.8	30.0	.8	59.5	.8	92.3
57.	5.1	67.	10.9	77.	30.4	87.	60.2	97.	92.8
.2	4.8	.2	11.2	.2	-30.9	.2	61.0	.2	93.3
.4	4.5	.4	11.6	.4	31.3	.4	61.7		93.8
.6	4.2	·4 .6	11.9	•4 .6	31.8	.4 .6	62.5	·4 .6	94.4
.8	3.9	.8	12.3	.8	32.2	.8	63.2	.8	94.9
58.	3.6	68.	12.6	78.	32.7	88.	64.0	98.	95.4
.2	3.3	.2	13.0	.2	33.2	.2	64.7	.2	95.9
1 .4	3.0	.4	13.3	•4	33.7	.4	65.5	.4	96.4
.6	2.7	.6	13.7	.6	34.2	.6	66.2	.6	96.8
.8	2.4	.8	14.0	.8	34.7	.8	67.0	.8	97.3
59-	2.1	69.	14.4	79.	35.2	89.	67.7	99.	97.8
.2	1.8	.2	14.8	.2	35.7	.2	68.4	.2	98.3
•4	1.5	.4	15.1	.4	36.2	.4	69.1	.4	98.7
.6	1.2	.6	15.5	.6	36.7	.6	69.9	.6	99.2
.8	.9	.8	15.8	.8	37.2	.8	70.6	.8	99.6
60.	.6	70.	16.2	80.	37.7	90.	71.3	100.	
(		0						ii	

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## TEMPERATURE 54°.

Wts. & Per Divs. on Stem.   Proof.   Proof.   Stem.   Proof.   Proof.										
Divs.   Cent.   Divs.   On   Stem.   Proof.   Proof	Wto	Por	737+n Br	Don	3374. L	D	TITL .	n	N	
Stem.   Proof.   Proof.   Stem.   Proo	Dive						TV ts. &			
Stem.   Proof.   Stem					11					
O.         68.4 (2)         10.         59.8 (2)         20.         50.3 (3)         39.8 (4)         27.9 (2)           .4 (68.1)         .4 (59.4)         .4 (49.9)         .4 (39.3)         .4 (27.4)         .6 (67.9)         .6 (67.9)         .6 (67.9)         .6 (49.7)         .6 (39.1)         .6 (27.2)         .2 (27.7)         .6 (27.2)         .8 (67.8)         .8 (67.8)         .8 (67.8)         .8 (67.8)         .8 (67.8)         .8 (67.8)         .8 (67.8)         .8 (67.8)         .8 (67.8)         .8 (67.8)         .8 (67.8)         .8 (67.8)         .8 (67.8)         .8 (67.8)         .8 (67.8)         .8 (67.8)         .8 (67.8)         .9 (27.2)         .8 (67.8)         .8 (67.8)         .9 (27.2)         .9				Proof						
1.	Docini.	11001.	oveni.	1 1001.	Stein.	I F001.	Stem.	Frooi.	Stem.	Proof.
1.	ο.	68.4	10.	59.8	20	50.3	20	20.8	1 40	27.0
1.										97.7
.6         67.9         .6         59.3         .6         49.7         .6         39.1         .6         27.2           .8         67.8         .8         59.1         .8         49.5         .8         38.8         .8         26.9           1.         67.6         11.         58.9         21.         49.3         31.         38.6         41.         26.9           4.         467.2         .4         58.5         .4         48.9         .4         38.2         .4         26.2           .6         67.1         .6         58.4         .6         48.7         .6         37.9         .0         25.9           .8         66.9         .8         58.2         .8         48.5         .8         37.7         .8         25.7           2.         66.5         .2         57.8         .2         48.1         .2         37.3         .2         25.4           .4         66.9         .2         57.5         .6         47.7         .4         37.0         .4         24.9         .2         25.4           .8         66.1         .8         57.3         .8         47.5         .8 <t< th=""><th></th><th></th><th></th><th></th><th>ti</th><th></th><th></th><th></th><th></th><th></th></t<>					ti					
1.   67.6	.6						6		6	27.9
1.	.8		.8			49.5	8		.8	26.9
1.2		67.6			11					26.7
.4         67.2         .4         58.5         .4         48.7         .6         37.9         .0         25.9           .8         66.9         .8         58.2         .8         48.7         .6         37.9         .0         25.9           2.         66.5         .2         57.8         .2         48.1         .2         37.3         .2         25.2           .4         66.4         .4         57.6         .4         47.9         .4         37.0         .4         24.9           .6         60.2         .6         57.5         .6         47.7         .6         36.8         .0         24.7           .8         66.1         .8         57.3         .8         47.5         .8         36.5         .8         24.4           .2         65.7         .2         56.9         .2         47.1         .2         36.1         .2         23.9           .4         65.6         .4         56.7         .4         46.9         .4         35.9         .4         23.7           .6         65.4         .6         56.5         .6         46.7         .6         35.6         .2         23.	.2	67.4			11					
66         67.1         6.6         58.4         6.6         48.7         6.6         37.9         6.25.9           2.         66.7         12.         58.0         22.         48.3         32.         37.5         42.         25.4           .4         66.5         .2         57.8         .2         48.1         .2         37.3         .2         25.2         25.4           .4         66.4         .4         57.6         .4         47.9         .4         37.0         .4         24.9           .6         66.2         .6         57.5         .6         47.7         .6         36.5         .8         24.4           3.         65.9         13.         57.1         23.         47.3         33.         36.3         43.         24.2           .4         65.6         .4         56.7         .4         46.9         .4         35.9         .4         23.7           .6         65.6         .6         56.5         .6         46.7         .6         35.6         .6         23.4           .8         65.3         .8         56.3         .8         46.5         .8         35.4         .8	.4		.4		11		11			
2.       66.7       12.       58.0       22.       48.3       32.       37.7       42.       25.7         2.       66.5       2.       57.8       2.       48.1       2.       37.3       2.       25.2       25.2       24.1       2.       37.3       2.       25.2	.6	67.1	.6				6			25.9
2.	.8		.8	58.2		48.5	.8	37.7	.8	25.7
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	2.	66.7		58.0				37.5		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$				57.8		48.1				25.2
1.6	.4		.4	57.6						
.8         66.1         .8         57.3         .8         47.5         .8         36.5         .8         24.4           3.         65.9         .2         56.9         .2         33.         36.3         33.         36.3         43.         24.2         23.9           .4         65.6         .4         56.7         .4         46.9         .4         35.9         .4         23.7           .6         65.4         .6         56.5         .6         46.7         .6         35.6         .6         23.4           .8         65.1         14.         56.1         24.         46.3         34.         35.2         44.         22.9         25.9           .4         64.7         .4         55.7         .4         45.9         .4         34.7         .4         22.3         22.6           .4         64.9         .2         55.9         .4         45.9         .4         34.7         .4         22.3           .6         64.6         .6         55.6         .6         45.6         .6         34.5         .6         22.1           .2         64.0         .2         255.0         .2	.6		.6	57.5		47.7	.6	36.8	.6	
3.         65.7         13.         57.1         23.         47.1         33.         36.3         43.         24.2         23.9           .4         65.6         .4         56.7         .4         46.9         .6         35.6         .6         23.4           .8         65.3         .8         56.3         .8         46.5         .8         35.4         .8         23.2           4.         65.1         14.         56.1         24.         46.3         34.         35.2         44.         22.9           .4         64.9         .2         55.9         .2         46.1         .2         35.0         .2         22.9           .4         64.7         .4         55.7         .4         45.9         .2         35.0         .2         22.9           .4         64.7         .4         55.7         .4         45.9         .4         34.5         .6         22.1           .6         64.6         .8         55.4         .8         45.4         .8         34.2         .8         21.8           5.         64.2         15.         55.2         25.         45.2         35.         34.0	.8		.8			47.5	.8	36.5	.81	24.4
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$					23.		: 1	36.3		24, 2
.6         65.4         .6         56.5         .6         46.7         .6         35.6         .6         23.4           .8         65.3         .8         56.3         .8         46.5         .8         35.4         .8         23.2           4.         65.1         14.         56.1         24.         46.3         34.         35.2         44.         22.9         22.6           .4         64.7         .4         55.7         .4         45.9         .4         34.7         .4         22.3         .6         62.6         .6         34.5         .6         22.1         .2         22.6         .8         45.4         .8         34.2         .8         21.8         .6         22.1         .2         .6         .6         45.6         .6         34.5         .6         22.1         .2         .8         21.8         .2         .2         .2         .6         .2         .3         .8         34.2         .8         21.8         .2         .2         .2         .2         .2         .2         .2         .2         .2         .2         .2         .2         .2         .2         .2         .2         .2			.2		.2	47.1	.2	36.1		23.9
.8         65.3         .8         56.1         24         46.5         34.         35.4         .8         23.2           .4         64.9         .2         55.9         .2         46.1         34.         35.2         44.         22.9         .9           .4         64.7         .4         55.7         .4         45.9         .4         34.7         .4         22.3           .6         64.6         .6         55.6         .6         45.6         .4         34.7         .4         22.3           .6         64.6         .6         55.6         .6         45.6         .4         34.7         .4         22.3           .6         64.6         .8         55.4         .8         45.4         .8         34.2         .8         21.8           5.         64.2         .2         55.0         .2         45.0         .2         33.8         .2         21.5           .2         64.0         .2         55.0         .2         45.0         .2         33.8         .2         21.5           .2         63.3         .6         54.6         .6         44.5         .6         33.3	.4		.4			46.9	.4			23.7
.8         65.3         .8         56.1         24         46.5         34.         35.4         .8         23.2           .4         64.9         .2         55.9         .2         46.1         34.         35.2         44.         22.9         .9           .4         64.7         .4         55.7         .4         45.9         .4         34.7         .4         22.3           .6         64.6         .6         55.6         .6         45.6         .4         34.7         .4         22.3           .6         64.6         .6         55.6         .6         45.6         .4         34.7         .4         22.3           .6         64.6         .8         55.4         .8         45.4         .8         34.2         .8         21.8           5.         64.2         .2         55.0         .2         45.0         .2         33.8         .2         21.5           .2         64.0         .2         55.0         .2         45.0         .2         33.8         .2         21.5           .2         63.3         .6         54.6         .6         44.5         .6         33.3	,6						.6		.6	
.2         64.9         .2         55.9         .2         46.1         .2         35.0         .2         22.6           .6         64.6         .6         55.6         .6         45.6         .6         34.5         .6         22.1           .8         64.4         .8         55.4         .8         45.4         .8         34.2         .8         21.8           5.         64.2         15.         55.2         25.         45.2         35.         34.0         45.         21.5           .2         64.0         .2         55.0         .2         45.0         .2         33.8         .2         21.5           .2         64.0         .2         55.0         .2         45.0         .2         33.8         .2         21.5           .4         63.8         .4         54.8         .4         44.8         .4         33.5         .4         21.0           .8         63.5         .8         54.4         .8         44.3         .8         33.0         .8         20.5           .6         .63.3         16.         54.2         26.         44.1         36.         32.8         46.	.8				.8		.8			
.4       64.7       .4       55.7       .4       45.9       .4       34.7       .4       22.3         .8       64.4       .8       55.4       .8       45.4       .8       34.2       .6       22.1         5.       64.2       15.       55.2       25.0       .2       45.0       .2       33.8       .2       21.5         .2       64.0       .2       55.0       .2       45.0       .2       33.8       .2       21.5         .4       63.8       .4       54.8       .4       44.8       .4       33.5       .4       21.0         .6       63.7       .6       54.6       .6       44.5       .6       33.3       .6       20.7         .8       63.5       .8       54.4       .8       44.3       .8       33.0       .8       20.5         6.       63.3       16.       54.2       26.       44.1       36.       32.8       46.       20.2         .2       63.1       .2       54.0       .2       43.9       .2       32.6       .2       19.9         .4       43.7       .4       43.7       .4       32.3							34.			22.9
.6         64.6         .6         55.6         .6         45.6         .6         34.5         .6         22.1           .8         64.2         15.         55.2         25.         45.2         35.         34.0         45.         21.5           .2         64.0         .2         55.0         .2         45.0         .2         33.8         45.         21.5           .4         63.8         .4         54.8         .4         44.8         .4         33.5         .4         21.0           .6         63.7         .6         54.6         .6         44.5         .6         33.3         .6         20.7           .8         63.5         .8         54.4         .8         44.3         .8         33.0         .8         20.5           6.         63.3         16.         54.2         26.         44.1         36.         32.8         46.         20.2           .2         63.1         .2         54.0         .2         43.9         .2         32.6         .2         19.9           .4         63.0         .4         53.8         .4         43.7         .4         32.3         .4	6 1									22.6
.8       64.4       .8       55.4       .8       45.4       .8       34.2       .8       21.8         5.       64.0       .2       55.0       .2       45.0       .2       33.8       .2       21.5         .4       63.8       .4       54.8       .4       44.8       .4       33.5       .4       21.0         .6       63.7       .6       54.6       .6       44.5       .6       33.3       .6       20.7         .8       63.5       .8       54.4       .8       44.3       .8       33.0       .8       20.5         6.       63.3       16.       54.2       26.       44.1       36.       32.8       46.       20.2         .2       63.1       .2       54.0       .2       43.9       .2       32.6       .2       19.9         .4       63.0       .4       53.8       .4       43.7       .4       32.3       .4       19.7         .8       62.7       .8       53.5       .8       43.2       .8       31.8       .8       19.2         7.       62.5       17.       53.3       27.       43.0       37.			.4				.4			22.3
5.         64.2         15.         55.2         25.         45.2         35.         34.0         45.         21.5           .4         63.8         .4         54.8         .4         44.8         .4         33.5         .4         21.2           .4         63.8         .4         54.8         .4         44.8         .4         33.5         .4         21.0           .8         63.7         .6         54.6         .6         44.5         .6         33.3         .6         20.7           .8         63.5         .8         54.4         .8         44.3         .8         33.0         .8         20.5           6.         63.3         16.         54.2         26.         44.1         36.         32.8         46.         20.2           .2         63.1         .2         54.0         .2         43.9         .2         32.6         .2         19.9           .4         63.0         .4         53.8         .6         53.7         .6         43.4         .4         32.1         .6         19.4           .8         62.7         .8         53.5         .8         43.2         .8			.6	55.6			.6			22.1
.2       64.0       .2       55.0       .2       45.0       .2       33.8       .2       21.2         .4       63.8       .4       54.8       .4       44.8       .4       33.5       .4       21.0         .8       63.7       .6       54.6       .6       44.5       .6       33.3       .6       20.7         .8       63.5       .8       54.4       .8       44.3       .8       33.0       .8       20.5         6.       63.3       16.       54.2       26.       44.1       36.       32.8       46.       20.2         .2       63.1       .2       54.0       .2       43.9       .2       32.6       .2       19.9         .4       63.0       .4       53.8       .4       43.7       .4       32.3       .4       19.7         .6       62.8       .6       53.7       .6       43.4       .6       32.1       .6       19.4         .8       62.7       .8       53.5       .8       43.2       .8       31.8       .8       19.2         7.       62.5       17.       53.3       27.       43.0       37.							1			
.4       63.8       .4       54.8       .4       44.8       .4       33.5       .4       21.0         .8       63.7       .6       54.6       .6       44.5       .6       33.3       .6       20.7         .8       63.5       .8       54.4       .8       44.3       .8       33.0       .8       20.5         6.       63.3       16.       54.2       26.       44.1       36.       32.8       46.       20.2         .2       63.1       .2       54.0       .2       43.9       .2       32.6       .2       19.9         .4       63.0       .4       53.8       .4       43.7       .4       32.3       .4       19.7         .0       62.8       .6       53.7       .6       43.4       .6       32.1       .6       19.4         .8       62.7       .8       53.5       .8       43.2       .8       31.8       .8       19.2         7.       62.5       17.       53.3       27.       43.0       37.       31.6       47.       18.9         .2       62.3       .2       53.1       .2       42.8       .4							35.	34.0		21.5
.6         63.7         .6         54.6         .6         44.5         .6         33.3         .6         20.7           .8         63.5         .8         54.4         .8         44.3         .8         33.0         .8         20.5           6.         63.3         16.         54.2         26.         44.1         36.         32.8         46.         20.2           .2         63.1         .2         54.0         .2         43.9         .2         32.6         .2         19.9           .4         63.0         .4         53.8         .4         43.7         .4         32.3         .4         19.7           .0         62.8         .6         53.7         .6         43.4         .6         32.1         .6         19.4           .8         62.7         .8         53.5         .8         43.2         .8         31.8         .8         19.2           7.         62.5         17.         53.3         27.         43.0         37.         31.6         47.         18.9           .2         62.3         .2         53.1         .2         42.8         .4         31.1         .4										
.8       63.5       .8       54.4       .8       44.3       .8       33.0       .8       20.5         6.       63.3       16.       54.2       26.       44.1       36.       32.8       46.       20.2         .2       63.1       .2       54.0       .2       43.9       .2       32.6       .2       19.9         .4       63.0       .4       53.8       .4       43.7       .4       32.3       .4       19.7         .0       62.8       .6       53.7       .6       43.4       .6       32.1       .6       19.4         .8       62.7       .8       53.5       .8       43.2       .8       31.8       .8       19.2         7.       62.5       17.       53.3       27.       43.0       37.       31.6       47.       18.9         .2       62.3       .2       53.1       .2       42.8       .2       31.4       .4       18.9         .4       62.1       .4       52.9       .4       42.6       .4       31.1       .4       18.3         .6       62.0       .6       52.7       .8       42.1       .8	.4	03.8	.4				.4	33.5		21.0
6.       63.3       16.       54.2       26.       44.1       36.       32.8       46.       20.2         .4       63.0       .4       53.8       .4       43.7       .4       32.3       .4       19.7         .0       62.8       .6       53.7       .6       43.4       .6       32.1       .6       19.4         .8       62.7       .8       53.5       .8       43.2       .8       31.8       .8       19.2         7.       62.5       17.       53.3       27.       43.0       37.       31.6       47.       18.9         .2       62.3       .2       53.1       .2       42.8       .2       31.4       .2       18.6         .4       62.1       .4       52.9       .4       42.6       .4       31.1       .4       18.3         .6       62.0       .6       52.7       .6       42.3       .6       30.9       .6       18.1         .8       61.8       .8       52.5       .8       42.1       .8       30.6       .8       17.8         .2       61.4       .2       52.1       .2       41.7       .2			.0	54.0	.0	44.5	0.0			
.2       63.1       .2       54.0       .2       43.9       .2       32.6       .2       19.9         .4       63.0       .4       53.8       .4       43.7       .4       32.3       .4       19.7         .0       62.8       .6       53.7       .6       43.4       .6       32.1       .6       19.4         .8       62.7       .8       53.5       .8       43.2       .8       31.8       .8       19.2         7.       62.5       17.       53.3       27.       43.0       37.       31.6       47.       18.9         .2       62.3       .2       53.1       .2       42.8       .2       31.4       .2       18.9         .4       62.1       .4       52.9       .4       42.6       .4       31.1       .4       18.3         .6       62.0       .6       52.7       .6       42.3       .6       30.9       .6       18.1         .8       61.6       18.       52.3       28.       41.9       38.       30.4       48.       17.5         .2       61.4       .2       52.1       .2       41.7       .2				54.4			26.0			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$							30.	20.6		
.0         62.8         .6         53.7         .6         43.4         .6         32.1         .6         19.4           .8         62.7         .8         53.5         .8         43.2         .8         31.8         .8         19.2           7.         62.5         17.         53.3         27.         43.0         37.         31.6         47.         18.9           .2         62.3         .2         53.1         .2         42.8         .2         31.4         .2         18.9           .4         62.1         .4         52.9         .4         42.6         .4         31.1         .4         18.3           .6         62.0         .6         52.7         .6         42.3         .6         30.9         .6         18.1           .8         61.8         .8         52.5         .8         42.1         .8         30.6         .8         17.8           8.         61.6         18.         52.3         28.         41.9         38.         30.4         48.         17.5           .2         61.4         .2         52.1         .2         41.7         .2         30.1         .2									1	
.8       62.7       .8       53.5       .8       43.2       .8       31.8       .8       19.2         7.       62.5       17.       53.3       27.       43.0       37.       31.6       47.       18.9         .2       62.3       .2       53.1       .2       42.8       .2       31.4       .2       18.6         .4       62.1       .4       52.9       .4       42.6       .4       31.1       .4       18.3         .6       62.0       .6       52.7       .6       42.3       .6       30.9       .6       18.1         .8       61.6       18.       52.3       28.       41.9       38.       30.6       .8       17.8         8.       61.6       18.       52.3       28.       41.9       38.       30.4       48.       17.5         .2       61.4       .2       52.1       .2       41.7       .2       30.1       .2       17.2         .4       61.2       .4       51.9       .4       41.5       .4       29.9       .4       17.0         .6       61.1       .6       51.7       .6       41.3       .8			.4	53.7				29.1		19.7
7.         62.5         17.         53.3         27.         43.0         37.         31.6         47.         18.9           .2         62.3         .2         53.1         .2         42.8         .2         31.4         .2         18.6           .4         62.1         .4         52.9         .4         42.6         .4         31.1         .4         18.3           .6         62.0         .6         52.7         .6         42.3         .6         30.9         .6         18.1           .8         61.8         .8         52.5         .8         42.1         .8         30.6         .8         17.8           8.         61.6         18.         52.3         28.         41.9         38.         30.4         48.         17.5           .2         61.4         .2         52.1         .2         41.7         .2         30.1         .2         17.2           .4         61.2         .4         51.9         .4         41.5         .4         29.9         .4         17.0           .6         61.1         .6         51.7         .6         41.3         .8         29.4         .8			.0	53.5		43.0	.0			19.9
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	_	62.5		53.3						18.9
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$							37.			18.6
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$								31.1		18.3
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	6		6	52.7		42.3	6			18.1
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	.8		8				8			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$			18							
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1	61.4								
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		61.2		51.9			.4			
.8     60.9     .8     51.5     .8     41.1     .8     29.4     .8     16.5       9.     60.7     .9     51.3     29.     40.9     39.     29.1     49.     16.2       .4     60.3     .4     50.9     .4     40.5     .4     28.6     .4     15.6       .6     60.2     .6     50.7     .6     40.2     .6     28.4     .6     15.4       .8     60.0     .8     50.5     .8     40.0     .8     28.1     .8     15.1	.6		.6				.6			
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		60.9	.8				.8			16.5
.2     60.5     .2     51.1     .2     40.7     .2     28.9     .2     15.9       .4     60.3     .4     50.9     .4     40.5     .4     28.6     .4     15.6       .6     60.2     .6     50.7     .6     40.2     .6     28.4     .6     15.4       .8     60.0     .8     50.5     .8     40.0     .8     28.1     .8     15.1										16.2
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$										
$egin{array}{c c c c c c c c c c c c c c c c c c c $									.4	
.8   60.0     .8   50.5     .8   40.0     .8   28.1     .8   15.1	.6	60.2	.6				.6	28.4	.6	15.4
10.   59.8   20.   50.3   30.   39.8   40.   27.9   50.   14.8	.8	1	.8		.8	40.0	.8		.8	
	10,	59.8	20.	50.3	30.	39.8	40.	27.9	50.	14.8
		No.		1		18		-		

### TEMPERATURE 54°.

TYPE .	1 70	TTT	70	XXX.	73	TIT. A	_	3371 0	
Wts. &		Wts. &		Wts. &		Wts. &		Wts. &	
	Cent.		Cent.	Divs.		Divs.			Cent.
	over	on	under	on	under	on	under		under
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
-									
50.	14.8	60.	2	70.	16.6	80.	38.1	90.	71.5
.2	14.5	.2	.1	1	17.0	}	38,6	11	72.2
	14.2		1	.2	17.4	.2	0,00	.2	72.9
•4		•4	.4	•4	1/04	•4	39.1	•4	
.6	14.0	.6	.8	.6	17.7	.6	39.7	.6	73.6
.8	13.7	.8	1.1	.8	18.1	.8	40,2	.8	74.3
51.	13.3	61.	1.4	71.	18.5	81.	40.7	91.	75.0
.2	13.1	.2	1.7	.2	18.9	.2	41.3	.2	75.7
.4	12.8	-4	2.0	.4	19.3	.4	41.8	.4	76.3
.6	12.6	.6	2.3	.6	19.6	.6	42.4	.6	77.0
.8	12.3	.8	2.6	.8	20.0	.8	42.9	.8	77.6
52.	12.0	62.	2.9	72.	20.4	82.	43.5	92.	78.3
.2	11.7	.2	3.2	.2	20.8	.2	44.1	.2	78.9
	11.4	.4	3.5		21.2			21	79.6
-4	11.4	.6		.4		.4	44.7	•4	
.6		0.0	3.9	.6	21.5	.6	45.3	.6	80.2
.8	10.9	.8 .		.8	21.9	.8	45.9	.8	80.9
53.	10.6	63.	4.5	73.	22.3	83.	46.5	93.	81.5
.2	10.3	.2		.2	22.7	.2	47.1	.2	82.1
.6	10.0	. 4	5.2	-4	23.1	·4	47.8	.4	82.7
.6	9.7	.6	5.5	.6	23.5	.6	48.4	.6	83.3
.8	9.4	.8	5.9	.8	23.9	.8	49.1	.8	83.9
54-	9.1	64.	6.2	74.	24.3	S4.	49.7	94.	84.5
.2	8.8	.2	6.5	.2	24.7	.2	50.4	.2	85.1
.4	8.5		6.8		25.1		51.1		
.6	8.3	.6	7.2	.4	25.6	·4 .6		•4	85.7
				.6			51.8	.6	86.2
.8	8.0	.8	7.5	.8	26.0	.8	52.5	.8	86.8
55.	7.7	65.	7.8	75.	26.4	85.	53.2	95.	87.4
.2	7.4	.2	8.1	.2	26.8	.2	53.9	.2	88.0
.4	7.1	•4	8.5	.4	27.3	.4	54.7	.4	88.5
.6	6.8	.6	8.8	.6	27.7	.6	55.4	.6	89.1
.8	6.5	.8	9.2	.8	28.2	.8	56.2	.8	89.6
56.	6.2	66.	9.5	76.	28.6	86.	56.9	96.	90.2
.2	5.9	.2	9.8	.2	29.0	.2	57.6	.2	90.7
-4	5.6	.4	10.2	.4	29.5	.4	58.4		91.3
.6	5.4	.6	10.5	.6	29.9	.6	59.1	.4 .6	91.8
.8	5.1		10.9	.8	30.4	.0	50.0	.0	
	4.8	67.	11.2	.0		88	59.9	.8	
57-	4.5			77.	30.8	87.	60.6	97.	92.9
.2		.2	11.6	.2	31.3	.2	61.3	.2	93.4
.4	4.2	•4	11.9	•4	31.7	.4	62.1	.4	93, 9
.6	3.9		12.3	.6	32.2	.6	62.8	.6	94.4
.8	3.6	.8	12.6	.8	32.6	.8	63.6	.8	94.9
58.	3.3	68.	13.0	78.	33.1	88.	64.3	98.	95.4
.2	3.0	.2	13.4	.2	33.6	.2	65.0	,2	95.9
-4	2.7	.4	13.7	.4	34.1	.4	65.7	.4	96.4
.6	2.3	.6	14.1	.6	34.6	.6	66.5	.6	96.8
.8	2.0	.8	14.4	.8	35.1	.8	67.2	.8	
59.	1.7	69.	14.8		35.6	89.			97.3
.2	1.4	- 1		79.			67.9	99.	97.8
	1.1	.2	15.2	.2	36.1	.2	68.6	.2	98.3
-4		•41	15.5	•4	36.6	.4	69.3	•4	98.8
.6	.8	.6	15.9	.6	37.1	.6	70.1	.6	99.2
.8	.5	.8	16.2	.8	37.6	.8	70.8	.8	99.7
60.	.2	70.	16.6	80.	38.1	90,	71.5	100.	
	1	1	N.		1	1			

51

## TEMPERATURE 55°.

Wts. &	Per	Wts.&	70.						
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.		Per
on	over	on	over	on	over	on on	over	Divs.	Cent.
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
					1.001.	Stem.	1 1001.	Prem.	1 1001.
o.	68.1	10.	59.5	20.	50.0	30.	39. <b>5</b>	40.	27.6
.2	67.9	.2	59.3	.2	49.8	.2	39.3	.2	27.3
.4	67.8	•4	59.1	•4	49.6	.4	39.0	1	27.1
.6	67.6	.6	59.0	.6	49.4	.6	38.7	·4 .6	26.8
.8	67.5	.8	58.8	.8	49.2	.8	38.5	.8	26.6
T.	67.3	II.	58.6	21.	49.0	31.	38.3	41.	26.3
.2	67.1	.2	58.4	.2	48.8	.2	38.1	.2	26.1
-4	67.0	•4	58.2	.4	48.6	.4	37.9	•4	25.8
.6	66.8	.6	58.1	.6	48.4	.6	37.6	.6	25.6
.8	66.7	.8	57.9	.8	48.2	.8	37.4	.8	25.3
2,	66.5	12.	57.7	22.	48.0	32.	37.2	42.	25.1
.2	66.3	.2	57.5	.2	47.8	.2	37.0	.2	24.8
.4	66.1	.4	57.3	•4	47.6	.4	36.8	.4	24.6
.6	66.0	.6	57.2	.6	47.4	.6	36.5	.6	24.3
.8	65.8	.8	57.0	.8	47.2	.8	36.3	.8	23.1
3.	65.6	13.	56.8	23.	47.0	33.	36.1	43.	23.8
.2	65.4	.2	56.6	.2	46.8	.2	35.9	.2	23.5
.4	65.3	.4	56.4	.4	46.6	•4	35.6	-4	23.3
.6	65.1	.6	56.3	.6	46.4	.6	35.4	.6	23.0
.8	65.0	.8	56.1	.8	46.2	.8	35.1	.8	22.8
4.	64.8	14.	55.9	24.	46.0	34.	34.9	44.	22.5
.2	64.6	.2	55.7	.2	45.8	.2	34.7	.2	22.2
.4	64.4	.4	55.5	•4	45.6	•4	34.4	•4	22.0
.6	64.3	.6	55.3	.6	45.3	.6	34.2	.6	21.7
.8	64.1	.8	55.1	.8	45.1	.8	33.9	.8	21.5
5.	63.9	15.	54.9	25.	44.9	35.	33.7	45.	21.2
.2	63.7	.2	54.7	.2	44.7	.2	33.5	,2	20.9
.4	63.6	.4	54.5	•4	44.5	.4	33.2	•4	20.7
.6	63.4	.6	54.4	.6	44.2	.6	33.0	.6	20.4
.8	63.3	.8	54.2	.8	44.0	.8	32.7	.8	20.2
6.	63.1	16.	54.0	26.	43.8	36.	32.5	46.	19.9
.2	62.9	.2	53.8	.2	43.6	.2	32.3	.2	19.6
-4	62.7	•4	53.6	.4	43.4	•4	32.0	.4	19.4
.6	62.6	.6	53.4	.6	43.2	.6	31.8	.6	19.1
.8	62.4	.8	53.2	.8	43.0	.8	31.5	.8	18.9
7.	62.2	17.	53.0	27.	42.8	37.	31.3	47.	18.6
.2	62.0	,2	52.8	.2	42.6	.2	31.1	.2	18.3
-4	61.8	-4	52.6	-4	42.4	.4	30.8	-4	18.0
.6	61.7	.6	52.4	.6	42.1	.6	30.6	.6	17.8
.8	61.5	.8	52.2	.8	41.9	.8	30.3	.8	17.5
8.	61.3	18.	52.0	28.	41.7	38.	30.1	48.	17.2
.2	61.1	.2	51.8	.2	41.5	.2	29.9	.2	16.9
.4	60.9	- 4	51.6	•4	41.3	-4	29.6	-4	16.6
.6	60.8	.6	51.4	.6	41.0	.6	29.4	.6	16.4
.8	60.6	.8	51.2	.8	40.8	.8	29.1	.8	16.1
9.	60.4	19.	51.0	29.	40.6	39.	28.9	49.	15.8
.2	60.2	.2	50.8	.2	40.4	.2	28.6	.2	15.5
.4	60.0	•4	50.6	•4	40.2	•4	28.4	•4	15.2
.6	59.9	.6	50.4	,6	39.9	.6	28.1	.6	15.0
.8	59.7	.8	50.2	.8	39.7	.8	27.9	.8	14.7
10.	59.5	20.	50.0	30.	39.5	40.	27.6	50.	14.5
1	ll ll			1	1	- 1	1		

### TEMPERATURE 55°.

1		1		1		1			Α.
Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
on	over	on	under	on	under	on	under	on on	under
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
Stem.	1 1001.	Stelli.	1 1001.	Stem.	1 1001.	Brein.	1 1001.	Stem.	I 1001.
	14.5	60.	.1	70.	17.0	80.	38.5	90.	71.7
50.	14.1	.2	.4		17.4	.2	39.0	.2	72.4
.2	13.8		• <del>*</del>	.2	17.8		39.5	69	73.1
·4 .6	13.6	·4 .6	.7 1.1	.4 .6	18.1	·4 .6	40.1	•4	73.8
.6 .8	13.3	.0	1.1	.0	18.5			.6	
	13.0	.8	1.4	.8	10.0	.8	40.6	.8	74.5
51.	12.7	61.	1.7 2.0	71.	18.9 19.3	81.	41.1	91.	75.2
.2	12.7	.2	2.0	,2	19.5	.2	41.7	.2	75.8
•4		.4 .6	2.3	.4	19.7	.4	42.2	-4	76.5
.6	12.2	.6	2.7	,6	20.0	.6	42.8	.6	77.1
.s	11.9	.8	3.0	.8	20.4	.8	43.3	.8	77.8
52.	11.6	62.	3.3	72.	20.8	82.	43.9	92.	78.4
.2	11.3	.2	3.6	.2	21.2	.2	44.5	.2	79.0
	11.0	.4 .6	3.9	.4	21.6	•4	45.1	.4	79.7
.4 .6	10.8	.6	4.3	.6	21.9	.6	45.7	.6	80.3
.8	10.5	.8	4.6	.8	22.3	.8	46.3	.8	81.0
53.	10.2	63.	4.9	73.	22.7	83.	46.9	93.	81.6
.2	9.9	.2	5.2	.2	23.1	.2	47.5	.2	82.2
	9.6	.4	5.6	.4	23.5	•4	48.2	.4	82.8
·4 .6	9.4	.6	5.9	.6	23.9	.6	48.8	.6	83.4
.8	9.1	.8	6.3	.8	24.3	.8	49.5	.8	84.0
54.	8.8	64.	6.6	74.	24.7	84.	50.1	94.	84.6
.2	8.5	.2	6.9	.2	25.1	.2	50.8	.2	85.2
	8.2	-4	7.2	.4	25.5	.4	51.5	.4	85.8
·4 .6	8.0	.6	7.6	.6	26.0	.6	52.2	.6	86.3
.8	7.7	.8	7.9	.8	26.4	.8	52.9	.8	86.9
55.	7.4	65.	8.2	75.	26.8	85.	53.6	95.	87.5
.2	7.1	.2	8.5	.2	27.2	.2	54.3	.2	88.1
	6.8	.4	8.9	.4	27.7	.4	55.1	.4	88.6
·4 .6	6.5	.6	9.2	.6	28.1	.6	55.8	.6	89.2
.8	6.2	.8	9.6	.8	28.6	.8	56.6	.8	89.7
56.	5.9	66.	9.9	76.	29.0	86.	57.3	96.	90.3
	5.6	.2	10.2	.2	29.4	.2	58.0		
.2	5.3	.4	10.6	1	29.9		58.7	.2	90.8
·4 .6	5.0	.6	10.0	.4 .6	30.3	·4 .6	59.5	•4	91.3
.8	4.7	.8	11.3	.8	30.8	.8	60.2	.6	91.9
	4.4	67.	11.6		31.2	87.		.8	92.4
57.	4.1	.2	12.0	77.	31.7		60.9 61.6	97.	92.9
.2	3.8		12.3	.2	32.1	.2		.2	93.4
.4 .6	3.5	·4 .6	12.7	.4 .6	32.1	•4	62.4 63.1	•4	93.9
0.0	3.2	.8	13.0	.8	33.0	.6		.6	94.5
.8	2.9	68.	13.4	HQ.0		.8	63.9	.8	95.0
58.	2.6		13.4	78.	33.5	88.	64.6	98.	95,5
.2	2.3	.2		.2	34.0	.2	65.3	.2	96.0
•4	2.0	•4	14.1	.4	34.5	.4	66.0	•4	96.5
.6		.6	14.5	.6	35.0	.6	66.8	.6	96.9
.8	1.7	8	14.8	.8	35.5	.8	67.5	.8	97.4
59.	1.4	69.	15.2	79.	36.0	89.	68.2	99.	97.9
.2	1.1	.2	15.6	.2	36.5	.2	68.9	.2	98.4
•4	.8	•4	15.9	.4	37.0	.4	69.6	-4	98.8
.6	.5	.6	16.3	.6	37.5	.6	70.3	.6	99.3
.8	.2	.8	16.6	.8	38.0	.8	71.0	.8	99.7
60.	.1	70.	17.0	80,	38.5	90.	71.7	100.	

# TEMPERATURE 56°.

Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	D	777	D
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Per Cent.	Wts.& Divs.	Per Cent.
on	over	on	over	on	over	on	over	on	over
Stem.		Stem.	Proof.	Stem.	Proof.	Stem.	Proof.		Proof.
								Docari.	11001.
0.	67.9	10.	59.2	20.	49.8	30.	39.2	40.	27.3
.2	67.7	.2	59.0	.2	49.6	.2	39.0	.2	27.0
.4	67.6	.4	58.8	•4	49.4	•4	38.7	.4	26 8
.6	67.4	.6 .8	58.7	.6	49.2	.6	38.5	.6	26.5
I.	67.1	11.	58.5 58.3	.8	49.0	.8	35.2	.8	26.3
.2	66.9	.2	58.1	2I. .2	48.8 48.6	31.	38.0 37.8	41.	$26.0 \\ 25.8$
.4	66.8	.4	57.9	.4	48.4	.2	37.6	.2	25.5
.6	66.6	.6	57.8	.6	48.1	.6	37.3	·4 .6	25.3
.8	66.5	.8	57.6	.8	47.9	.8	37.1	.8	25.0
2.	66.3	12.	57.4	22.	47.7	32.	36 9	42.	24.8
.2	66.1	.2	57.2	.2	47.5	.2	36.7	.2	24.5
.4	65.9	.4	57.0	.4	47.3	.4	36.5	.4	24.3
.6	65.8	.6	56.9	.6	47.1	.6	36.2	.6	24.0
.8	65.6	.8	56.7	.8	46.9	.8	36.0	.8	23.8
3.	65.4	13.	56.5	23.	46.7	33.	35.8	43.	23.5
.2	65.2	.2	56.3	.2	46.5	.2	35.6	.2	23.2
.6	65.0	.4	56.1	.4	46.3	.4	35.3	-4	23.0
.8	64.9 64.7	,8	56·0 55.8	.6	46.1	.6	35.1	.6	22.7
4.	64.5		55.6	.8	45.9 45.7	.8	34.8	.8	22.5 22.2
.2	64.3	14.	55.4	24.	45.5	34.	34.6 34.4	44.	21.9
.4	64.2	.4	55.2	.4	45.3		34.1	.4	21.7
.6	64.0	6	55.0	.6	45.0	.6	33.9	.6	21.4
.8	63.9	.8	54.8	.8	44.8	.8	33.6	.8	21.2
5.	63.7	15.	54.6	25.	44.6	35.	33.4	45.	20.9
.2	63.5	.2	54.4	.2	44.4	.2	33.2	.2	20.6
-4	63.3	.4	54.2	.4	44.2	.4	32.9	.4	20.4
.6	63.2	.6	54.1	.6	44.0	.6	32.7	.6	20.1
.8	63.0	.8	53.9	.8	43.8	.8	32.4	.8	19.9
6.	62.8	16.	53.7	26.	43.6	36.	32.2	46.	19.6
.2	62.6	.2	53.5	.2	43.4	.2	32.0	.2	19.3
.4	62.4 62.3	.4	53.3	.4	43.2	.4	31.7	1.4	19.1
.6	62.1	.8	53.2 53.0	.6 .8	42.9 42.7	.6 .8	31.5	.6	18.8 18.6
7.	61.9	17.	52.8	27.	42.5		31.0	47.	18.3
.2	61.7	2	52.6	.2	42.3	37.	30.8	.2	18.0
.4	61.5	4	52.4	.4	42.1	.4	30.5	.4	17.7
.6	61.4	.6	52.2	.6	41.8	.6	30.3	.6	17.5
.8	61.2	.8	52.0	.8	41.6	.8	30.0	.8	17.2
8.	61.0	18.	51.8	28.	41.4	38.	29.8	48.	16.9
.2	60.8	.2	51.6	.2	41.2	.2	29.6	.2	16.6
-4	60.7	.4	51.4	.4	41.0	-4	29.3	.4	16.3
.6	60.5	.6	51.2	.6	40.7	.6	29.1	.6	16.1
.8	60.4	.8	51.0	.8	40.5	.8	28.8	.8	15.8
9.	60.2	19.	50.8	29.	40.3	39.	28.6	49.	15.5
.2	60.0	.2	50.6		40.1	.2	28.3	.2	15.2 14.9
.6	59.8    59.6	.6	50.4 50.2	.4	39.9 39.6	.4	28.1 27.8	.6	14.7
.8	59.6 59.4	.8	50.2	.6	39.4	.8	27.6	.8	14.4
10.	59.2	20.	49.8	30.	39.2	40.	27.3	50.	14.1
	30,20		10.0	30.	30.2	40.	2,.0	3-	

# TEMPERATURE 56°.

777. 0	n	3374 - 0	Per	Wts. &	Don	Wts. &	Per	Wts. &	Per
Wts. &		Wts. & Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
Divs.	Cent.	on	under		under		under	on	under
Stem.	Proof.			Stem.	Proof.		Proof.		Proof.
Stem.	11001.								
50.	14.1	60.	.5	70.	17.4	80.	38.9	90.	71.9
.2	13.8	.2	.8	.2	17.8	.2	39.4	.2	72.6
.4	13.5	•4	1.1	-4	18.2	•4	40.0	•4	73.3
.6	13.3	.6	1.4	.6	18.5	.6	40.5	.6	73.9
.8	13.0	.8	1.7	.8	18.9	.8	41.1	.8	74.6
51.	12.7	61,	2.0	71.	19.3	81.	41.6 42.2	91.	75.3
.2	12.4	.2	2.3	.2	$19.7 \\ 20.1$	.2	42.2	.2	76.0 76.6
1.4	12.1 11.9	·4 .6	$\begin{array}{c} 2.6 \\ 3.0 \end{array}$	.6	20.1	·4 .6	43.3	·4 .6	77.3
.6 .8	11.6	.8	3.3	.8	20.4	.8	43.8	.8	77.9
52.	11.3	62.	3.6	72.	21.2	82.	44.4	92.	78.6
.2	11.0	.2	3.9	.2	21.6	.2	45.0	.2	79.2
.4	10.7	.4	4.2	.4	22.0	.4	45.6	.4	79.8
.6	10.5	.6	4.6	.6	22.3	.6	46.2	.6	80.5
.8	10.2	.8	4.9	.8	22.7	.8	46.8	.8	81.1
53.	9.9	63.	5.2	73.	23.1	83.	47.4	93.	81.7
.2	9,6	.2	5.5	.2	23.5	.2	48.0	.2	82.3
.4	9.3	•4	5.9	•4	23.9	.4	48.7	•4	82.9
.6	9.1	.6	6.2	.6	24.3	.6	49.3	.6	83.5
.8	8.8	.8	6.6	.8	24.7	.8	50.0	.8	84.1
54.	8.5	64.	6.9	74.	25.1 25.5	84.	50.6	94.	84.7
.2	8.2	.2	7.2 7.5	.2	25.9	.2	52.0	.2	85.9
.6	7.9	.4 .6	7.9	.6	26.4	.4	52.6	·4 .6	86.4
.8	7.4	.8	8.2	.8	26.8	.8	53.3	.8	87.0
55.	7.1	65.	8.5	75.	27.2	85.	54.0	95.	87.6
.2	68	.2	8.8	.2	27.6	.2	54.7	.2	88.2
.4	6.5	.4	9.2	.4	28.1	.4	55.4	.4	88.7
.6	6.1	.6	9.5	.6	28.5	.6	56.2	.6	89.3
.8	5.8	.8	9.9	.8	29.0	.8	56.9	.8	89.8
56.	5.5	66.	10.2	76.	29.4	86.	57.6	96.	90.4
.2	5.2	.2	10.6	.2	29.8	.2	58.3	.2	90.9
.4	4.9	•4	10.9	.4	30.3	1 .4	59.0	.4	91.4
.6	4.7	,6	11.3	.6	30.7	.6	59.8 60.5	.6	92.0
.8	4.4	.8	12.0	.8	31.6	87.	61.2	.8 97.	$\begin{vmatrix} 92.5 \\ 93.0 \end{vmatrix}$
.2	3.8	67.	12.4	77.	32.1	.2	61.9	97.	93.5
.4	3.5	.4	12.7	.4	32.5	.4	62.6	.4	94.0
.6	3.2	.6	13.1	.6	33.0	.6	63.4	.6	94.5
.8	2.9	.8	13.4	.8	33.4	.8	64.1	.8	95.0
58.	2.6	68.	13.8	78.	33.9	88.	64.8	98.	95.5
.2	2.3	.2	14.2	.2	34.4	.2	65.5	.2	96.0
1 .4	2.0	.4	14.5	.4	34.9	•4	66.2	.4	96.5
.6	1.7	.6	14.9	.6	35.4	.6	67.0	.6	97.0
.8	1.4	.8	15.2	.8	35.9	8.8	67.7	.8	97.5
59.	1.1	69.	15.6	79.	36.4	89.	68.4	99.	98.0 98.5
.2	.8	.2	16.0	.2	37.4	.2	69.8	.2	98.9
.6	.1	1 .6	16.7	.6	37.9	.6	70.5	.4	99.4
.8	.2	.8	17.0	.8	38.4	.8	71.2	.8	99.8
60.	.5	70.	17.4	80.	38.9	90.	71.9	100.	55.0
	1	1			1	1	1		1
·									

## TEMPERATURE 57°.

1									
Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts.&	Per
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
on on	over	on	over	on	over	on	over	on	over
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.		Proof.	Stem.	Proof.
	1 1001			O COM	11001		11001.	Ducin.	
0.	67.7	10.	59.0	20.	49.5	30.	38.9	40.	27.0
.2	67.5	.2	58.8	.2	49.3	.2	38.7	.2	26.7
.4	67.4	•4	58.6	.4	49.1	.4	38.4	•4	26.5
.6	67.2	.6	58.5	.6	48.9	.6	38.2	.6	26.2
.8	67.1	.8	58.3	.8	48.7	.8	37.9	.8	26.0
I.	66.9	II.	58.1	21.	48.5	31.	37.7	4I.	25.7
.2	66.7	.2	57.9	.2	48.3	.2	37.5	.2	25.5
•4	66.6	•4	57.7	.4	48.1	•4	37.3	•4	25.2
.6	66.4	.6	57.6	.6	47.8	.6	37.0	.6	25.0
.8	66.3	.8	57.4	.8	47.6	.8	36.8	.8	24.7
2.	66.1	12.	57.2	22.	47.4	32.	36.6	42.	24.5 24.2
.2	65.9	.2	57.0	.2	47.2	.2	36.4	.2	24.2
•4	65.7	.4	56.8	.4	47.0 46.8	.6	$\begin{array}{c} 36.2 \\ 35.9 \end{array}$	•4	23 7
.6	65.6	.6	56.7 56.5	.6 .8	46.6	.8	35.7	.6 .8	23.5
	$\begin{bmatrix} 65.4 \\ 65.2 \end{bmatrix}$	1	56.3		46.4	22	35.5		23.2
3.	65.0	13.	56.1	23.	46.2	33.	35.3	43.	22.9
.2	64.9	.2	55.9	8	46.0	.2	35.0		22.7
.4	64.7	.6	55.8	.6	45.8	.6	34.8	.6	22.4
.8	64.6	.8	55.6	.8	45.6	.8	34.5	.8	22.2
4.	64.4	14.	55.4	24.	45.5	34.	34.3	44.	21.9
.2	64.2	2	55.2	.2	45.2	.2	34.1	.2	21.6
.4	64.0	.4	55.0	.4	45.0	•4	33.8	•4	21.4
.6	63.9	.6	54.8	.6	44.8	.6	33.6	.6	21.1
.8	63.7	.8	54.6	.8	44.6	.8	33.3	.8	20.9
5.	63.5	15.	54.4	25.	44.4	35.	33.1	45.	20.6
.2	63.3	.2	54.2	.2	44.2	.2	32.9	.2	20.3
.4	63.1	.4	54.0	.4	44.0	.4	32.6	.4	20.0
.6	63.0	.6	53.9	.6	43.7	.6	32.4	.6	19.8
.8	62.8	.8	53.7	.8	43.5	8.	32.1	.8	19.5
6.	62.6	16.	53.5	26.	43.3	36.	31.9	46.	19.2
.2	62.4	.2	53.3	.2	43.1	.2	31.7	.2	18.9
.4	62.2	.4	53.1	.4	42.9	.4	31.4	-4	18.7
.6	62.1	.6	52.9	.6	42.6	.6	31.2	.6	18.4
.8	61.9	.8	52.7	.8	42.4	.8	30.9	.8	18.2
7.	61.7	17.	52.5	27.	42.2	37.	30.7	47.	17.9
.2	61.5	,2	52.3	.2	42.0	.2	30.5	.2	17.6
.4	61.3	-4	52.1	•4	41.8	.4	30.2	•4	17.4
.6	61.2	.6	51.9	.6	41.5	.6	30.0	.6	17.1
.8	61.0	.8	51.7	8.	41.3		29.7	.8	16.9
8.	60.8	18.	51.5	28.	41,1	38.	29.5	48.	16.6 16.3
.2	60.6	.2	51.3	.2	40.9	.2	29.2	.2	16.0
.4	60.5	•4	51.1	.4	40.7	•4	$\begin{bmatrix} 29.0 \\ 28.7 \end{bmatrix}$	·4 .6	15.8
.6	60.3	.6	50.9	.6	40.4	.6 .8	28.5	.8	15.5
.8	60.2	.8	50.7 50.5	.8	40.2		28.2	49.	15.2
9.	60.0 59.8	19.	$\begin{bmatrix} 50.5 \\ 50.3 \end{bmatrix}$	29.	39.8	39.	28.0	.2	14.9
.2	59.6	.2	50.3	.2	39.6	•4	27.7	•4	14.6
.4	59.6	.6	49.9	.4 .6	39.3	.6	27.5	.6	14.4
.8	59.2	.8	49.7	.8	39.1	.8	27.2	.8	14.1
10.	59.0	20.	49.5	30.	38.9	40.	27.0	50.	13.8
10.	00.0	20.	10.0	30.	30.5				
1									

## TEMPERATURE 57°.

			A						
1	-	337, 0	70	Wts. &	D.	Wts. &	D	Wts. &	D
Wts. &	Per	Wts. &				W ts. &		W ts. &	Per
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
on	over	on	under	on	under	on	under	on	under
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
50.	13.8	60.	.9	70.	17.8	80.	39.3	90.	72.1
.2	13.5	.2	1.2	,2	18.2	.2	39.8	.2	72.8
-4	13.2	.4	1.5	.4 .6	18.6	•4	40.4	•4	73.5
.6	13.0	.6	1.8	.6	18.9	.6	40.9	.6	74.1
.8	12.7	.8	2.1	.8	19.3	.8	41.5	.8	74.8
51.	12.4	61.	2.4	71.	19.7	81.	42.0	91.	75.5
.2	12.1	.2	2.7	.2	20.1	.2	42.6	.2	76.1
.4	11.8	.4	3.0	.4	20.5	.4	43.1	•4	76.8
.6	11.6	.6	3.4	.76	20.8	.6	43.7	.6	77.4
.8	11.3	.8	3.7	.8	21.2	.8	44.2	.8	78.1
	11.0		4.0		21.6	82.	44.8		78.7
52.	10.7	62.	4.3	72.	22.0		45.4	92.	79.3
.2	10.7	.2		.2	22.0	.2	46.4	.2	19.5
.4	10.4	.4	4.6	.4	22,4	•4	46.0	•4	80.0
.6	10.1	.6	5.0	.6	22.7	.6	46.6	.6	80.6
.8	9.8	.8	5.3	.8	23.1	.8	47.2	.8	81.3
53.	9.5	63.	5.6	73.	23.5	83.	47.8	93.	81.9
.2	9.2	.2	5.9		23.9	.2	48.4	.2	82.5
-4	8.9	-4	6.2	.4	24.3	.4	49.1	-4	83.1
.6	8.7	.6	6.6	.6	24.7	.6	49.7	.6	83.6
.8	8.4	.8	6.9	.8	25.1	.8	50.4	.8	84.2
54.	8.1	64.	7.2	74.	25.5	84.	51.0	94.	84.8
.2	7.8	.2	7.5	.2	25.9	.2	51.7	.2	85.4
.4	7.5	.4	7.9	.4	26.3	.4	52.4	.4	86.0
.6	7.3	.6	8.2	.6	26.8	.6	53.0	.6	86.5
.8	7.0	.8	8.6	.8	27.2	.8	53.7	.8	87.1
55.	6.7	65.	8.9	75.	27.6	85.	54.4	95.	87.7
.2	6.4	.2	9.2	15.	28.0		55.1	95.	88.3
	6.1		9.6	.2	28.5	.2		.2	
·4 .6		.4	9.9	.4	20.0	.4	55.8	-4	88.8
.8	5.8	.6		.6	28.9	.6	56.6	.6	89.4
	5.5	.8	10.3	.8	29.4	.8	57.3	.8	89.9
56.	5.2	66.	10.6	76.	29.8	86.	58.0	96.	90.5
.2	4.9	.2	10.9	.2	30.2	.2	58.7	.2	91.0
.4	4.6	•4	11.3	-4	30.7	.4	59.4	.4	91.5
.6	4.3	.6	11.6	.6 1	31.1	.6	60.1	.6	92.1
.8	4.0	.8	12.0	.8	31.6	.8	60.8	.8	92.6
57.	3.7	67.	12.3	77.	32.0	87.	61.5	97.	93.1
.2	3.4	.2	12.7	.2	32.5	.2	62.2	.2	93.6
-4	3.1	.4	13.0		32.9	.4	62.9	.4	94.1
.6	2.8	.6	13.4	.4 .6	33.4	.6	63.7	.6	94.6
.8	2.5	.8	13.7	.8	33.8	.8	64.4	.8	95.1
58.	2.2	68.	14.1	78.	34.3	88.	65.1	98.	95.6
.2	1.9	.2	14.5	.2	34.8	.2	65.8	.2	96.1
.4	1.6	.4	14.8	.4	35.3		66.5		96.6
.6 !	1.3	.6	15.2	.6	35.8	.6	67.2	•4	
.8	1.0	.8	15.5	.8	36.3	.8	67.9	.6	97.0
59.	.7		15.9					.8	97.5
		69.		79.	36.8	89.	68.6	99.	98.0
.2	.4	.2	16.3	.2	37.3	.2	69.3	.2	98.5
.4	.1	•4	16.7	.4	37.8	•4	70.0	•4	98.9
.6	.3	.6	17.0	.6	38.3	.6	70.7	.6	99.4
.8	.6	.8	17.4	.8	38.8	.8	71.4	.8	99.8
60.	.9	70.	17.8	So.	39.3	90.	72.1	100.	
					1)				

# TEMPERATURE 58°.

	1				-	777.	D	3374 . 9.	D
Wts.&		Wts. &		Wts.&	Per	Wts. &	Per	Wts. &	Per Cent.
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs. on	over
on	over	on	over	on	over Proof.	on Stem.	Proof	Stem.	Proof.
Stem.	Proof.	Stem.	Proof.	Stem.	F 1001.	Stein.	1 1001	Steni.	11001,
	67.5	10.	58.8	20.	49.2	30.	38.6	40.	26.7
0.	67.3	.2	58.6	.2	49.0	.2	38.4	.2	26.4
.2	67.1	.4	58.4	4	48.8	.4	38,1	.4	26.2
.4	67.0	.6	58.3	.6	48.6	.6	37.9	.6	25.9
.8	66.8	.8	58.1	.8	48.4	.8	37.6	.8	25.7
I.	66.6	11.	57.9	21.	48.2	31.	37.4	41.	25.4
,2	66.4	.2	57.7	.2	48.0	,2	37.2	.2	25.2
.4	66.3	.4	57.5	.4	47.8	.4	37.0	.4	24.9
.6	66.1	6	57.4	.6	47.6	.6	36.7	.6	24.7
.8	66.0	.8	57.2	.8	47.4	8.		.8	$\begin{array}{c c} 24.4 \\ 24.2 \end{array}$
2.	65.8	12.	57.0	22.	47.2	32.	36.3	42.	23.9
.2	65.6	.2	56.8	.2	47.0	.2	36.1	.2	23.7
.4	65.5	1 .4	56.6	•4	46.8	.4	35.8 35.6	.4	23.4
.6	65.3	.6	56.4	.6	46.6	.8	35.3	.8	23.2
.8	65.2	.8	56.2	.8	46.4	14	35.1		22.9
3.	65.0	13.	56.0 55.8	23.	46.0	33.	34.9	.2	22.6
.2	64.8	.2	55.6	.2	45.8	.4	34.7	.4	22.4
.4	64.6	.4	55.5	.6	45.5	6.	34.4	.6	22.1
.6	64.5	i s	55.3	.8	45.3	8		.8	21.9
	64.1		55.1	24.	45.1	34.	34.0	1 44.	21.6
4.	63.9	14.	54.9	.2	44.9	.2	33.8	.2	21.3
.4	63.7	.4	54.7	.4	44.7	.4	33.5	.4	21.0
.6	63.6	6.	54.6	.6	44.5	.6	33.3	6.	20.8
.8	63.4	.8	54.4	.8	44.3	.8	33.0	.8	20.5
5.	63.2	15.	54.2	25.	44.1	35.	32.8		20.2
.2	63.0	.2	54.0	.2	43.9	.2	1 0000	.2	19.9 19.7
.4	62.9	.4	53.8	.4	43.7	.4	32.3	.4	19.4
,6	62.7	.6	53.6	.6	43.4	.6	32.1		19.2
.8	62.6	.8	53.4	.8	43.2	.8	31.8		18.9
6.	62.4	16.	53.2	26.	43.0	36.	31.4	40.	18.6
.2	62.2	.2	53.0	.2	42.8		0 2 3	.4	18.4
.4	62.0	.4	52.8	.4	42.6 42.3	.4	30.9		18.1
.6	61.9	.6	52.6 52.4	.6	42.1	is is	30.6		17.9
.8	61.7	8.	52.2	27.	41.9	37.	30.4		17.6
7.	61.5	17.	52.0	.2	41.7	2		,2	17.3
.2	61.3	.2	51.8	.4	41.5	.4	29.9		17.1
.4	61.0	.6	51.6	6.	41.2	11 6	1-29.6	.6	16.8
.8	60.8	.8		.8	41.0	8	29.4	.8	16.6
8.	60.6	18.	51.2	28.	40.8	38.	29.1	48.	16.3
.2	60.4	.2	51.0	.2	40.6	.2	28.9	.2	16.0
.4	60.2	.4	50.8	.4	40.4	.4	28.6		15.7
.6	60.1	.6	50.6	.6	40.1	.6	28.4		15.2
.8	59.9	.8	50.4	.8	39.9	.8	28.1		14.9
9.	59.7	19.	50.2	29.	39.7	39.	27.9	49.	14.6
,2	59.5	.2	50.0	.2	39.5	.2	27.7	- 11	14.3
.4	59.3	.4		•4	39.3	.4	27.4		14.1
.6	59.2	.6	49.6	.6	39.0	i s	26.9	1 0	13.8
.8	59.0	.8		.8	38.8 38.6	- 1	26.7	50.	13.5
10.	58.8	20.	49.2	30.	00.0	40.			
	1	9	1	11		**			

### TEMPERATURE 58°.

						li .		,,	
	7	Wts. &	75	Wts. &	D	3371 0	D	377, 0	D .
Wts. &						Wts. &		Wts. &	
Divs.	Cent.	Divs.	Cent.		Cent.	Divs.	Cent.	Divs.	Cent.
on	over	on	under	on	under	on	under	on	under
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
50.	13.5	60.	1.2	70.	18.2	80.	39.7	90.	72.3
.2	13.2	.2	1.5	.2	18.6	.2	40.2	.2	73.0
.4	12.9	.4	1.8	.4	19.0	•4	40.8	•4	73.7
.6	12.7	.6	2.2	.6	19.3	.6	41.3	.6	74.3
.s '	12.4	.8	2.5	.8	19.7	.8	41.9	.8	75.0
51.	12.1	61.	2.8	71.	20.1	81.	42.4	91.	75.7
.2	11.8	.2	3.1	.2	20.5	.2	43.0	.2	76.3
.4	11.5	.4	3.4	-4	20.9	•4	43.6	•4	77.0
.6	11.3	.6	3.7	.6	21.2	.6	44.1	.6	77.6
.s	11.0	.8	4.0	.8	21.6	.8	44.7	.8	78.3
<b>5</b> 1 3	10.7				22.0		45.7		
52.		62.	4.3	72.	22.4	82,	45,3	92.	78.9
.2	10.4	.2	4.6	.2		.2	45.9	.2	79.5
1 -4	10.1	-4	5.0	.4	22.8	.4	46.5	•4	80.1
,6	9.8	.6	5.3	.6	23.1	.6	47.0	.6	80.8
.8	9.5	.8	5.7	.8	23.5	.8	47.6	.8	81.4
53.	9.2	63.	6.0	73.	-23.9	83.	$-48.2^{-1}$	93.	82.0
.2	8.9	.2	6.3	.2	24.3	.2	48.8	.2	82.6
.4	8.6	.4	6.6	•4	24.7	.4	49.5	.4	83.2
.6	8.4	.6	7.0	.6	25.1	.6	50.1	.6	83.8
.8	8.1	.8	7.3	.8	25.5	.8	50.8	.8	84.4
54.	7.8	64.	7.6	74.	25.9	84.	51.4	94.	85.0
.2	7.5	.2	7.9	.2	26.3	.2	52.1	.2	85.6
.4	7.2	•4	8.3	•4	26.7	.4	52.8	.4	86.1
.6	7.0	.6	8.6	.6	27.2	.6	53.4	.6	86.7
.8	6.7	.8	9.0	.s	27.6	.8	54.1	.8	
	6.4	65.	9.3		28.0				87.2
55.	6.1			75.		85.	54.8	95.	87.8
	5.8	.2	9.6	.2	28.4	.2	55.5	.2	88.3
•4		•4	10.0	•4	28.9	•4	56.2	.4	88.9
.6	5.5	.6	10.3	.6	29.3	.6	56.9	.6	89.4
.8	5.2	.8	10.7	.8	29.8	.8	57.6	.8	90,0
56.	4.9	66.	11.0	76.	30.2	86.	58.3	96.	90.5
.2	4.6	.2	11.3	.2	30.6	.2	59.0	.2	91.0
•4	4.3	•4	11.7	.4	31.1	.4	59.7	.4	91.6
.6	4.0	.6	12.0	.6	31.5	.6	60.4	.6	92.1
.8	3.7	.8	12.4	.81	32.0	.8	61.1	.8	92.7
57.	3.4	67.	12.7	77.	32.4	87.	61.8	97.	93.2
.2	3.1	.2	13.1	.2	32.9	.2	62.5	.2	93.7
.4	2.8	•4	13.4	.4	33.3	.4	63.2	.4	94.2
.6	2.5	.6	13.8	.6	33.8	.6	64.0	.6	94.7
.8	2.2	.8	14.1	.8	34.2	.8	64.7	.8	95.2
58.	1.9	68.	14.5	78.	34.7	88.	65.4	98.	95.7
.2	1.6	.2	14.9	.2	35.2	.2	66.1	90.	96.2
.4	1.3	.4	15.2		35.7	1	66.8		
.6	1.0	.6	15.6	.6	36.2	.4		•4	96.7
.8	.7	.8	15.9			.6	67.5	.6	97.1
59.	.4	69.	16.3	.8	36.7	8.8	68.2	.8	97.6
.2	.1			79.	37.2	89.	68.9	99.	98.1
		.2	16.7	.2	37.7	.2	69.6	.2	98.6
•4	.2	.4	17.1	•4	38.2	.4	70.3	-4	99.0
.6	.6	.6	17.4	.6	38.7	.6	70.9	.6	99.5
.8	.9	.8	17.8	.8	39.2	.8	71.6	.8	99.9
60.	1.2	70.	18.2	80,	39.7	90.	72.3	100.	
			1			1			

## TEMPERATURE 59°.

	-								
Wts.	& Per	Wts. &	D	Wts. &	Per	Wts. &	D	Wts. &	Don
		Divs.				Divs.		Divs.	Cent.
Divs			Cent.	Divs.	Cent.		over	on	over'
on	over	on	over Proof.	on	over	on Stem.	Proof.		Proof.
Sten	. Proof.	Stem.	P rooi.	Stem.	Proof.	Stent.	I root.	Stem.	1 1001.
	67.2		58.5		49.0	20	38.3	40.	26.3
0.		10.	50.0	20.		30.	38.1	.2	26.1
. 2		.2	58.3 58.1	.2	48.8 48.6		37.8		25.8
.4		.6	58.0	·4 .6	48.3	.4 .6	37.6	.4	25.6
.8	00.1		57.0	.0	48.1	.8	37.3	.8	25.3
		.8	57.8	.8	47.9		37.1	41.	25.1
I.	66.3	11.	57.6	21.	47.7	31. .2	36.9	.2	24.8
.2		.2	57.4	.2	47.5		36.7	.4	24.6
• 4	66.0	·4 .6	57.2	.6	47.0	.6	36.4	.6	24.3
, 6		0.0	57.1	.0	47.3	.8	36.2	.8	24.1
.8		.8	56.9	8.	47.1		36.0	42.	23.8
2.	65.5	12.	56.7	22.	46.9	32.	35,8	.2	23.6
-2		.2	56.5	.2	46.7	.2	35, 5		23.3
.4	65.2	1 .4	56.3	.4	46.5	•4	35.3	.4 .6	23.1
.6		.6	56.1	.6	46.3	.6	35.0	.8	22.8
		.8	55.9	.8	46.1	.8	34.8		22.6
3.	64.7	13.	55.7	23.	45.9	33.	34.6	43.	22.3
- 2		.2	55.5	.2	45.7	.2	34.4	.2	22.3
. 4	64.3	•4	55.3	.4	45.5	.4	04.4	.4	51.0
		11 .0	55.2	.6	45.2	.6	34.1	.6	21.8
		.8	55.0	.8	45.0	.8	33.9	8.	21.6
4.	63.8	14.	54.8	24.	44.8	34.	33.7	44.	21.3
		.2	54.6	.2	44.6	.2	33.5	.2	
	4 63.5	1 .4	54.4	.4	44.4	.4	್ಷ ನನ. 🏖	.4	20.7
	63.3	.6	54.3	.6	44.2	0.0	33.0	0.	20.5
N .:		.8	54.1	.8	44.0		32.7	.8	20.2
5.	63.0	15.	53.9	25.	43.8	35.	$32.5 \\ 32.3$	45.	19.9
	2   62.8	.2	53.7	,2	43.6	.2	32.3	.2	19.6
	4 62.6	.4	53.5	.4	43.4	.4	32.0	.4	19.4
	6   62.5	.6	53.5	.6	43.1	.6	31.8	0.	19.1
		.8	53.1	.8	42.9		31.5	.8	18.9
6.	62.1	16.	52.9	26.	42.7	36.	31.3	46.	18.6 18.3
		,2	52.7	.2	42.5	.2	31.1	.2	18.3
	4 61.7	.4	52.5	1 .4	42.3	.6	30.8	1 .4	18.0
		.6	52.3	.6	42.0	.6	30.6	.6	17.8
	8 61.4	.8	52.1	.8	41.8	.8	30.3	.8	17.5
7.	61.2	17.	51.9	27.	41.6	37.	30.1	47.	17.2
	2 61.0	.2		.2	41.4	.2	29.8	.2	16.9
	4 60.8	.4	51.5	.4	41.2	.4	29.6	•4	16.7
P	6 60.7	.6	51.4	.6	40.9	.6	29.3	.6	16.4
	8 60.5	.8	51.2	.8	40.7	.8	29.1	.8	16.2
8.	60.3	18.	51.0	28.	40.5	38.	28.8	48.	15.9
100	2 60.1	.2	50.8	.2	40.3	.2	28.6	.2	15.6
	4   59.9	.4	50.6	.4	40.1	.4	28.3	•4	15.4
	6 59.8	.6	50.4	.6	39.8	.6	28.1	.6	15.1
1	8 59.6	.8	50.2	.8	39.6	.8	27.8	.8	14.9
9.	~ ^ 4	19.	50.0	29.	39.4	39.	27.6	49.	14.6
1	2   59.2	.2	49.8	.2	39.2	.2	27.3	.2	14.3
• •	4   59.0	.4	49.6	.4	39.0	.4	27.1	.4	14.0
	6   58.9	.6	49.4	.6	38.7	.6	26.8	.6	13.7
	8 58.7	.8	49.2	.8	38.5	8.	26.6	.8	13.4
10.	58.5	20.	49.0	30.	38.3	40.	26.3	50.	13.1
10.	00,0	20.	1000		1		1		l,
-				**					

#### TEMPERATURE 59°.

Wts. & Divs. on Stem.	Per Cent. over Proof.	Divs.	Per Cent. under Proof.	on	Per Cent. under Proof.		Cent.	Wts. & Divs. on Stem.	Per Cent. under Proof.
	over	on	under	on	under	on Stem.  802 .4 .6 .8 812 .4 .6 .8 832 .4 .6 .8 852 .4 .6 .8 852 .4 .6 .8 852 .4 .6 .8 852 .4 .6 .8 862 .4 .6 .8	under	on	under
60.	1.2	.8 70.	18.2	.8 80.	39.7	.8	71.9 72.6	.8	100.0

## TEMPERATURE 60°.

1									
777.h. 0.	Dan	3374- 9-	D	Wts. &	Don	Wts. &	Per	Wts.&	Per
Wts. &	Per	Wts. &	Per Cent.	Divs.	Per Cent.	Divs.	Cent.	Divs.	Cent.
Divs.	Cent.	Divs.	over	on	over	on	over	on on	over
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
Ducta.	11001.				11001				
о.	67.0	10.	58.2	20,	48.7	30.	38.0	40.	26.0
.2	66.8	.2	58.0	.2	48.5	.2	37.8	.2	25.8
.4	66.6	.4	57.8	.4	48.3	.4	37.6	.4	25.5
.6	66.5	.6	57.7	.6	48.0	.6	37.3	.6	25.3
.8	66.3	.8	57.5	.8	47.8	.8	37.1	.8	25.0
I.	66.1	II.	57.3	21.	47.6	31.	36.9	41.	24.8
.2	65.9	.2	57.1	.2	47.4	.2	36.7	.2	24.5
1 .4	65.8	.4	56.9	.6	47.2 47.0	•4	36.4 36.2	.6	24.3 24.0
.6	65.6	.6	56.8 56.6	.8	46.8	.6 .8	35.9	,8	23.8
.8	65.5 65.3	18	56.4	22.	46.6	32.	35.7	42.	23.5
2.	65.1	12.	56.2	.2	46.4	.2	35.5	.2	23.2
.4	65.0	.4	56.0	• 4	46.2	.4	35.2	.4	23.0
.6	64.8	.6	55.9	.6	46.0	.6	35.0	.6	22.7
.8	64.7	.8	55.7	.8	45.8	.8	34.7	.8	22.5
3.	64.5	13.	55.5	23.	45.6	33.	34.5	43.	22.2
.2	64.3	.2	55.3	.2	45.4	.2	34.3	.2	21.9
.4	64.1	.4	55. l	.4	45.2	•4	34.1	-4	21.7
.6	64.0	.6	55.0	.6	45.0	.6	33.8	.6	21.4
.8	63.8	.8	54.8	.8	44.8	.8	33,6	.8	21.2 20.9
4.	63.6	14.	54.6	24.	44.6	34.	33.4	44.	20.9
.2	63.4	.2	54.4	.2	44.4	.2	33.2	.2	20.0
1 .4	63,2	.4	54.2	.6	43.9	.6	32.7	.4	20.1
.6	63.1	.6	54.1 53.9	.8	43.7	.8	32.4	.8	19.9
.8	$\begin{vmatrix} 62.9 \\ 62.7 \end{vmatrix}$	8	53.7	25.	43.5	35.	32.2	45.	19.6
5.	62.5	15.	53.5	.2	43.3	.2	32.0	.2	19.3
.4	62.3	.4	53.3	.4	43.1	.4	31.7	.4	19.1
1 .6	62.2	.6	53.1	.6	42.8	.6	31.5	.6	18.8
.8	62.0	.8	52.9	.8	42.6	.8	31.2	.8	18.6
6.	61.8	16.	52.7	26.	42.4	36.	31.0	46.	18.3
.2	61.6	.2	52.5	.2	42.2	.2	30.8	.2	18.0
.4	61.4	.4	52.3	.4	42.0	•4	30.5	1 .4	17.7
.6	61.3	.6	52.1	.6	41.7	.6	30.3	.6	17.5 17.2
.8	61.1	.8	51.9	.8	41.5	8.	30.0 29.8	.8	16.9
7-	60.9	17.	51.7	27.	41.3	∥ 37⋅	29.5	47.	16.6
.2	60.7	.2	51.5	.2	40.9	.2	29.3	.4	16.4
.4	60.5	.6	51.1	.4	40.6	.6	29.0	.6	16.1
.6	60.2	.8	50.9	.8		.8	28.8	.8	15.9
8.	60.2	18.	50.7	28.	40.2	38.	28.5	48.	15.6
.2	59.8	.2	50.5	.2	40.0	.2	28.3	.2	15.3
.4	59.6	.4	50.3	.4	39.8	.4	28.0	-4	15.0
.6	59.5	,6	50.1	.6	39.5	.6	27.8	.6	14.8
.8	59.3	.8	49.9	.8	39.3	.8	27.5	.8	14.5
9.	59.1	19.	49.7	29.	39.1	39.	27.3	49.	14.2
.2	58.9	.2	49.5	.2	38.9	.2	27.0	.2	13.9
•4	58.7	1 .4	49.3	1 .4	38.7	.4	26.8	1 .6	13.4
.6	58.6	.6	49.1	.6	38.4	.6	26.3	.8	13.1
.8	58.4	.8	48.9	.8	38.2 38.0	40.	26.0	50.	12.8
10.	58.2	20.	48.7	30.	00.0	40.	1 -0.0	1	
		D.		11	1	11			

#### TEMPERATURE 60°.

777	D	3374-	D	Wts. &	D	3374- 0	72	3374 0	To
Wts. &		Wts. &				Wts. &		Wts. &	
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.		Divs.	Cent.
on	over	on	under	on	under	on	under		under
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
	10.0	6-	1.0		100	0-	40 C		FO.0
50.	12.8	60.	1.9	70.	18.9	80.	40.6	90.	72.8
.2	12.5	.2	2.2	.2	19.3	.2	41.1	.2	73.5
.4	12.2	•4	2.0	•4	19.7	•4	41.7	•4	74.1
.6	12.0	.6	2.8	,	20.0	.6	42.2	.6	74.8
.8	11.7	.8	3.1	.8	20.4	8.	42.8	.8	75.4
51.	11.4	61.	3.4	71.	20.8	8r.	43.3	91.	76.1
.2	11.1	.2	3.7	.2	21.2	.2	43.9	.2	76.7
•4	10.8	•4	4.0	•4	21.6	-4	44.4	•4	77.3
.6	10.6	.6	4.4	.0	21.9	.6	45.0	.6	78.0
.8	10.3	.8	4.7	.8	22.3	.8	45.5	.8	78.6
52.	10.0	62.	5.0	72.	22.7	82.	46.1	92.	79.2
.2	9.7	.2	5,3	.2	23.1	.2	46.7	.2	79.8
.4	9.4	.4	5.7	-4	23.5	.4	47.3	•4	80.4
.6	9.2	.6	6.0	.6	23.9	.6	47.9	.6	81.1
.8	8.9	.8	6.4	.8	24.3	.8	48.5	.8	81.7
53.	8.6	63.	6.7	73.	24.7	83.	49.1	93.	82.3
.2	8.3	.2	7.0	.2	25.1	.2	49.7	.2	82.9
.4	8.0	.4	7.3	.4	25.5	.4	50.3	4	83.5
.6	7.7	.6	7.7	.6	25.9	.6	51.0	.6	84.0
.8	7.4	.8	8.0	.8	26,3	.8	51.6	.8	84.6
54-	7.1	64.	8.3	74.	26.7	84.	52.2	94.	85.2
.2	6.8	.2	8.6	.2	27.1	.2	52.9	.2	85,8
.4	6.5	.4	9.0	.4	27.5	.4	53.5	•4	86.3
.6	6.2	.6	9.3	.6	28.0	.6	54.2	.6	86.9
.8	5.9	.8	9.7	.8	28.4	.8	54.8	.S	87.4
55.	5.6	65.	10.0	75.	28.8	85.	55.5	95.	88.0
.2	5.3	.2	10.3	.2	29.2	.2	56.2	.2	88.5
•4	5.0	.4	10.7	-4	29.7	.4	56.9	.4	89.1
.6	4.8	.6	11.0	.6	30.1	] .6]	57.6	.6	89.6
.8	4.5	.8	11.4	.8	30.6	.8	58.3	.8	90.2
56.	4.2	66.	11.7	76.	31.0	86.	59.0	96.	90.7
.2	3,9	.2	12.1		31.4	.2	59.7	.2	91.2
.4 .6	3.6	.4	12.4	.4	31.9	.4	60.4	.4	91.7
.6	3.3	.6	12.8	.6	32.3	.6	61.1	.6	92.3
.8	3.0	.8	13.1	.8	32.8	.8	61.8	.8	92.8
57-	2.7	67.	13.5	77.	33.2	87.	62.5	97.	93.3
.2	2.4	.2	13.9	.2	33.7	1	63.2	.2	93.8
.4 .6	2.1	.4	14.2	•4	34.2		63.9	•4	94.3
0.0	1.9	.6	14.6	.6	34.6		64.6	.6	94.9
.8	1.6		14.9		35.1		65.3	.8	95.4
58.	1.3	68.	15.3	78.	35.6	88.	66.0	98.	95.9
.2	1.0	.2	15.7	.2	36.1	.2	66.7	.2	96.4
.4	.7	-4	16.0	•4	36.6	•4	67.4	.4	96.8
.6	.0	.6	16.4 16.7	.6	37.1	.6	68.0	.6	97.3
	.3	69.	17.1	.8	37.6 38.1	80.8	68.7	.8	97.7
59.	.6		17.5	79.		89.	69.4	99.	98.2
	.9	.2	17.8	.2	38.6	.2	70.1	.2	98.7
1 .4	1.3	.6	18.2	.6	39.1   39.6	.4	70.8	•4	99.1
1 .8	1.6	.8	18.5	.8	40.1	.6	71.4 72.1	.6	99.6
60.	1.9	70.	18.9	So.	40.6	90.		.8 I	.00.0
30,		,	20.0	30.	20.0	90.	12.0	.00.	
							1		

## TEMPERATURE 61°.

		}		1	1	1			
Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
on	over	on	over	on	over	on	over	on on	over
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
	00.0				10.1				
0,	66.8 66.6	10.	58.0	20.	48.4	30.	37.7	40.	25.7
.2	66.4	.2	57.8 57.6	.2	48.2 48.0	.2	37.5	.2	25.5
.6	66.3	.6	57.5	.6	47.8	.6	37.3 37.0	.6	$25.2 \\ 25.0$
.8	66.1	.8	57.3	.8	47.6	.8	36.8	.8	24.7
I.	65.9	II.	57.1	21.	47.3	31.	36.6	41.	24.5
.2	65.7	.2	56.9	.2	47.2	.2	36.4	.2	24.2
•4	65.6	.4	56.7	.4	47.0	•4	36.1	.4	24.0
.6	65.4	.6	56.6	.6	46.8	.6	35.9	.6	23.7
.8	65.3	.8	56 4	.8	46.6	.8	35.6	.8	23.5
2.	65.1 64.9	12.	56.2 56.0	22.	46.4	32.	35.4	42.	23.2 22.9
.4	64.7	.4	55.8	.2	46.2 + 46.0		35.2 34.9	.2	22.9
.6	64.6	.6	55.7	.6	45.8	.6	34.7	.6	$22.7 \\ 22.4$
.8	64.4	.8	55,5	.8	45.6	.8	34.4	.8	22.2
3.	64.2	13.	55.3	23.	45.4	33.	34.2	43.	21.9
.2	64.0	.2	55, 1	.2	45.2	.2	34.0	.2	21.6
.4	63.9	.4	54.9	.4	45.0	•4	33.8	-4	21.4
.6	63.7	.6	54.7	.6	44.7	.6	33.5	.6	21.1
.8	63.6	.8	54.5	.8	44.5	.8	33.3	.8	20.9
4.	63.4 63.2	14.	54.3 54.1	24.	44.3 44.1	34	33.1	44.	$\begin{bmatrix} 20.6 \\ 20.3 \end{bmatrix}$
.2	63.0	.4	53.9	.2	43.9	.2	32.9 32.6	.2	$\begin{bmatrix} 20.5 \\ 20.1 \end{bmatrix}$
.6	62.9	.6	53.8	.6	43.6	.6	32.4	.6	19.8
.8	62.7	.8	53.6	.8	43.4	.8	32.1	.8	19.6
5.	62.5	15.	53.4	25.	43.2	35.	31.9	45.	19.3
.2	62.3	2	53.2	.2	43.0	.2	31.7	.2	19.0
.4	62.1	.4	53.0	.4	42.8	.4	31.4	•4	18.8
.6	62.0	.6	52.8	.6	42.5	.6	31.2	.6	18.5
.8	61.8	.8	52.6	.8	42.3	.8	30.9	.8	18.3
6.	61.6	16.	52.4 52.2	26.	42.1	36.	30.7	46.	18.0
.2	61.4 61.2	.2 .4	52.0	.2	41.9	.2	30.4 30.2	.2	17.7 17.4
.6	61.1	6	51.8	·4 .6	41.4	.6	29.9	.6	17.2
.8	60.9		51.6	.8	41.2	.8	29.7	.8	16.9
7.	60.7	17.	51.4	27.	41.0	37.	29.4	47.	16.6
.2	60.5	.2	51.2	.2	40.8	.2	29.2	.2	16.3
.4	60.3	.4	51.0	-4	40.6	.4	28.9	•4	16.0
.6	60.2	.6	50.8	.6	40.3	.6	28.7	.6	15.8
.8	60.0	.8	50.6	.8	40.1	.8	28.4	.8	15.5
8.	59.8	18.	50.4	28.	40.0	38.	28.2 28.0	48.	$\begin{bmatrix} 15.2 \\ 14.9 \end{bmatrix}$
.2	59.6 59.4	.4	$\begin{bmatrix} 50.2 \\ 50.0 \end{bmatrix}$	.2	39.7   39.5	.2	27.7	.2	14.7
.6	59.3	.6	49.8	.6	$\begin{bmatrix} 39.5 \\ 39.2 \end{bmatrix}$	.6	27.5	.6	14.4
.8	59.1	.8	49.6	.8	39.0	.8	27.2	.s	14.2
9.	58.9	19.	49.4	29.	38.8	39.	27.0	49.	13.9
.2	58.7	.2	49.2	.2	38.6	.2	26.7	.2	13.6
.4	58.5	.4	49.0	.4	38.4	.4	26.5	-4	13.3
.6	58.4	.6	48.8	.6	38.1	.6	26.2	.6	13.1
.8	58.2	.8	48.6	.8	37.9	.8	26.0	.8	12.8
10.	58.0	20.	49.4	30.	37.7	40.	25.7	50.	12.5
	- 11	- (				1			

#### TEMPERATURE 61°.

1	70	3774	70	777 0	TO.	377/ 0	T)	7771 0	~
Wts. &	Per	Wts. &		Wts. &		Wts. &		Wts. &	
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
on	over	011	under	on	under	on	under	on	under
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
50.	12.5	60.	2.2	70.	19.3	80.	41.0	90.	73.0
	12.2	.2	2.5		19.7	.2	41.5	.2	73.7
.2	11.9		2.8	.2.	20.1		42.1	5 1	
.4 .6		•4		.4		•4		.4	74.3
	11.6	.6	3.2	.6	20.4	.6	42.6	.6	75.0
.8	11.3	.8	3.5	.8	20.8	.8	43.2	.8	75.6
51.	11.0	61.	3.8	71.	21.2	81.	43.7	91.	76.3
.2	10.7	.2	4.1	.2	21.6	.2	44.3	.2	76.9
.4	10.4	.4	4.4	.4	22.0	.4	44.9	.4	77.5
.6	10.2	.4 .6	4.8	.6	22.3	.6	45.4	.6	78.2
.8	9.9	.8	5.1	.8	22.7	.8	46.0	.8	78.8
					02.1				
52.	9.6	62.	5.4	72.	23.1	82.	46.6	92.	79.4
.2	9.3	.2	5.7	.2	23.5	.2	47.2	.2	80.0
.4 .6	9.0	.4 .6	6.1	.4	23.9	-4	47.8	-4	80.6
.6	8.8	.6	6.4	.6	24.3	.6	48.4	.6	81.2
.8	8.5	.8	6.8	.8	24.7	.8	49.0	.8	81.8
53.	8.2	63.	7.1	73.	25.1	83.	49.6	93.	82.4
.2	7.9	.2	7.4	.2	25.5	.2	50.2	.2	83.0
	7.6		7.8		25.9			: 1	
.4 .6		·4 .6		.4	26.3	.4	50.8	.4	83.6
	7.4		8.1	.6	20.3	.6	51.4	.6	84.1
.8	7.1	.8	8.4	.8	26.7	.8	52.0	.8	84.7
54-	6.8	64.	8.7	74.	27.1	84.	52.6	94.	85.3
.2	6.5	.2	9.0	.2	27.5	.2	53.3	.2	85.9
.4	6.2	-4	9.4	.4	27.9	.4	53.9	.4	86.5
.6	5.9	.6	9.7	.6	28.4	.6	54.6	.6	87.0
.8	5.6	.8	10.1	.8	28.8	.8	55.2	.8	87.6
	5.3	65.	10.4		29.2		55.2		
55.			10.7	75.		85.	55.9	95	88.2
.2	5.0	.2		.2	29.6	.2	56.6	.2	88.7
.4	4.7	·4	11.1	.4	30.1	.4	57.3	-4	89.2
.6	4.4	.6	11.4	.6	30.5	.6	57.9	.6	89.8
.8	4.1	.8	11.8	.8	31.0	.8	58.6	.8	90.3
56.	3.8	66.	12.1	76.	31.4	86.	59.3	96.	90.8
.2	3.5	.2	12.5	.2	31.8	.2	60.0	.2	91.3
	3.2	.4	12.8	.4	32.3	.4	60.7	.4	91.8
.4 .6	3.0	.6	13.2	.6	32.7	.6	61.4	.6	92.4
.8	2.7	.8	13.5				61.4		92.4
			13.9	.8	33.2	8.	62.1	.8	92.9
57-	2.4	67.		77.	33.6	87.	62.8	97.	93.4
.2	2.1	.2	14.2	.2	34.1	.2	63.5	.2	93.9
.6	1.8	•4	14.6	.4 .6	34.6	.4	64.2	.4	94.4
.6	1.5	.6	14.9	.6	35.0	.6	64.8	.6	94.9
.8	1.2	.8	15.3	.8	35.5	.8	65.5	.8	95.4
58.	.9	68.	15.6	78.	36.0	88.	66.2	98.	95.9
.2	.6	.2	16.0	.2	36.5	.2	66.9	.2	96.4
.4	.3	.4	16.3		37.0	1		1 1	
				.4		•4	67.6	•4	96.9
.6	.1	.6	16.7	.6	37.5	.6	68.2	.6	97.3
.8	.4	.8	17.0	.8	38.0	.8	68.9	.8	97.8
59.	.7	69.	17.4	79.	38.5	89.	69.6	99.	98.3
.2	1.0	.2	17.8	,2	39.0	.2	70.3	.2	98.8
-4	1.3	.4	18.2	.4	39.5	.4	71.0	•4	99.2
.6	1.6	.6	18.5	.6	40.0	.6	71.6	.6	99.7
.8	1.9	.8	18.9	.8	40.5	.8	72.3		33.1
60.	2.2	1 1	19.3					.8	
<b>.</b>	20. 2	70.	13.0	80.	41.0	90.	73.0	100.	
1 1		1		1		H		1	

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## TEMPERATURE 62°.

	i								7
Wts.&	Per	Wts. &	Per	Wts.&	Per	Wts. &		Wts. &	Per
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
on	over	on	over	on	over	on	over	on	over
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
									05.4
0.	66.5	10.	57.8	20.	48.1	30.	37.4	40.	25.4
.2	66.3	.2	57.6	.2	47.9	.2	37.2	.2	25.2
.4	66.1	.4	57.4	.4	47.7	.4	36.9	.4	24.9
.6	66.0	.6	57.2	.6	47.5	.6	36.7	.6	24.7
.8	65.8	.8	57.0	.8	47.3	.8	36.4	.8	24.4
I.	65.6	II.	56.8	21.	47.1	31.	36.2	41.	24.2
	65.4	.2	56.6	.2	46.9	.2	36.0	.2	23.9
,2	65.3	11	56.4	•4	46.7	.4	35.8	.4	23.7
•4		.4	56.3	.6	46.5	.6	35.5	.6	23.4
.6	65.1	.8	56.1	.8	46.3	.8	35.3	.8	23.2
.8	65.0	11	55.9	11	46.1	32.	35.1	42.	22.9
2.	64.8	12.	55.7	22.	45.9	32.	34.9	.2	22.6
.2	64.6	.2		.2	45.7	.4	34.6	.4	22.4
-4	64.4	•4	55.5	•4	45.5	6	34.4	.6	22.1
.6	64.3	.6	55.4	.6	45.3	.8	34.1	.8	21.9
.8	64.1	.8	55.2	.8		11	33.9	11	21.6
3.	63.9	13.	55.0	23.	45.1	33.	33.7	43.	21.3
.2	63.7	,2	54.8	.2	44.9		33.5	.4	21.1
.4	63.6	.4	54.6	•4	44.7	.4	33.2	1.6	20.8
.6	63.4	.6	54.4	.6	44.4	.6		.8	20.6
.8	63.3	.8	54.2	.8	44.2	.8	33.0	11	20.3
4-	63.1	14.	54.0	24.	44.0	34.	32.8	44	20.0
.2	62.9	.2	53.8	.2	43.8	.2	32.6	.2	19.8
.4	62.8	.4	53.6	.4	43.6	.4	32.3		
6.	62.6	.6	53.5	.6	43.3	.6	32.1	.6	19.5
.8	62.5	.8	53.3	.8	43.1	.8	31.8		19.3
5.	62.3	15.	53.1	25.	42.9	35.	31.6		19.0
.2	62.1	.2	52.9	.2	42.7	.2	31.4	.2	18.7
.4	61.9	.4	52.7	.4	42.5	.4	31.1		18.4
.6	61.8	6.		.6	42.2	.6	30.9		18.2
.8	61.6	.8		.8	42.0	.8	30.6	.8	17.9
6.	61.4	16.	52.1	26.	41.8	36.	30.4		17.6 17.3
<b>1</b> (	61.2	.2	51.9	.2	41.6	.2	30.1	.2	17.3
,2	61.0	.4	F 3 17	.4	43 4	1 4	+29.9		17.1
.4	60.9	.6	51.5	.6	41.2	6	+29.6		16.8
.6		.8		.8	1	.8	29.4	.8	16.6
.8	60.7		51.1	27.	40.8		29.1	47.	16.3
7.	60.5	17.	1 ~ ~ ~	.2	100			.2	
.2	60.3	.2	PO 57	- 51	40.4			.4	15.7
1 .4	60.1	.4		.6				.6	15.5
.6	60.0	.6	50.3	.8	39.9		28.1		15.2
.8	59.8	.8	50.1	28.	39.7	38.	27.9		14.9
8.	59.6	18.	100	il.	1 00 =	30.	27.7	1 .2	14.6
.2	59.4	.2		.2	000		O = 4	.4	1 2 4 0
.4	59.2	.4						.6	1
.6	59.1	.6	49.5			.8			
.8	58.9	.8	49.3	8.	38.7		26.7		13.5
9.	58.7	19.	49.1	29.	38.5	39.	00.4		1 240 0
,2	58.5	.2	48.9	.2	1 00 .	.2	1 0		100
.4	58.3	.4	48.7						
.6	58.2	.6	48.5				25.9		
.8	58.0	8,	48.3					н	12.4
10.	57.8	20.	48.1	30.	37.4	40.	25.4	50.	14.1
		1		H		1		11	4
1		1							

#### TEMPERATURE 62°.

		1		1				li	
Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
on l	over	on	under	on	under	on	under	on	under
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
- Colonia									
50.	12.1	60.	2.6	70.	19.7	80.	41.5	90.	73.3
.2	11.8	.2	2.9	.2	20.1	.2	42.0	.2	73.9
.4	11.5	.4	3.2	.4	20.5	.4	42.6	.4	74.5
.6	11.3	.6	3.5	.6	20.8	.6	43.1	.6	75.2
.8	11.0	.8	3.8	.8	21.2	.8	43.7	.8	75.8
51.	10.7	61.	4.1	71.	21.6	81.	44.2	91.	76.4
.2	10.4	.2	4.4	.2	22.0	.2	44.8	.2	77.0
.4	10.1	.4	4.8	-4	22.4	.4	45.3	.4	77.6
.6	9.9	.6	5.1	.6	22.7	.6	45.9	,6	78.3
.8	9.6	.8	5.5	.8	23.1	.8	46.4	.8	78.9
52.	9.3	62.	5.8	72.	23.5	82.	47.0	92.	79.5
.2	9.0	.2	6.1	.2	23.9	.2	47.6	.2	80.1
.4	8.7	.4	6.4	•4	24.3	.4	48.2	.4	80.7
.6	8.5	.6	6.8	.6	24.7	.6	48.8	.6	81.4
.8	8.2	.8	7.1	.8	25.1	.8	49.4	.8	82.0
53.	7.9	63.	7.4	73.	25.5	83.	50.0	93.	82.6
.2	7.6	.2	7.7	.2	25.9	.2	50.6	.2	83.2
.4	7.3	.4	8.1	-4	26.3	.4	51.2	.4	83.8
.6	7.1	.6	8.4	.6	26.7	.6	51.8	6.	84.3
.8	6.8	.8	8.8	.8	27.1	.8	52.4	.8	84.9
54-	6.5	64.	9.1	74.	27.5	84.	53.0	94-	85.5
.2	6.2	.2	9.4	.2	27.9	.2	53.6	.2	86.1
-4	5.9	.4	9.8	.4	28.3	.4	54.3	.4	86.6
.6	5.6	.6	10.1	.6	28.8	.6	54.9	.6	87.2
8,	5.3	.8	10.5	.8	29.2	.8	55.6	.8	87.7
55.	5.0	65.	10.8	75-	29.6	85.	56.2	95.	88.3
.2	4.7	.2	11.1	.2	30.0	.2	56.9	.2	88.8
-4	4.4	•4	11.5	.4	30.5	.4	57.6	.4	89.4
.6	4.1	.6	11.8	.6	30.9	.6	58.2	.6	89.9
.8	3.8	.8	12.2	.8	31.4	.8	58.9	.8	90.5
56.	3.5	66.	12.5	76.	31.8	86.	59.6	96.	91.0
.2	3.2	.2	12.8	.2	32,2	.2	60.3	.2	91.5
-4	2.9	-4	13.2	•4	32.7	.4	61.0	.4	92.0
.6	2.6	.6	13.5	.6	33.1	.6	61.7	.6	92.5
.8	2.3	.8	13.9	.8	33.6	.8	62.4	.8	93.0
57.	2.0	67.	14.2	77.	34.0	87.	63.1	97.	93.5
.2	1.7	.2	14.6	.2	34.5	.2	63.8	.2	94.0
.4	1.4	•4	14.9	.4	35.0	.4	64.5	.4	94.5
.6	1.1	.6	15.3	.6	35.5	.6	65.1	.6	95.0
.8	.8	.8	15.6	.8	36.0	.8	65.8	.8	95.5
58.	.5	68.	16.0	78.	36.5	88.	66.5	98.	96.0
.2	.2	.2	16.4	.2	37.0	.2	67.2	.2	96.5
-4	.1	.4	16.7	.4	37.5	.4	67.9	.4	97.0
.6	.5	.6	17.1	.6	37.9	.6	68.5	.6	97.4
.8	.8	.8	17.4	.8	38.4	.8	69.2	.8	97.9
59.	1.1	69.	17.8	79.	38.9	89.	69.9	99.	98.4
.2	1.4	.2	18.2	.2	39.4	.2	70.6	.2	98.9
.4	1.7	.4	18.6	-4	39.9	•4	71.3	.4	99.3
.6	2.0	.6	18.9	.6	40.5	.6	71.9	.6	99.8
.8	2.3	.8	19.3	.8	41.0	.8	72.6	.8	
60.	2.6	70.	19.7	80.	41.5	90.	73.3	100.	
			J.		l li			J.	
					7				

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## TEMPERATURE 63°.

		-					1 /			
W.	ts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts.&	Per
	ivs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
	on	over	on	over	on	over	on	over	on	over
	em.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
	0.	66.3	IO.	57.5	20.	47.8	30.	37.1	40.	25.1
	.2	66.1	.2	57.3	.2	47.6	.2	36.9	.2	24.8
Н	.4	65.9	•4	57.1	.4	47.4	•4	36.7	.4	24.6
ii .	.6	65.8	.6 .8	57.0	.6	47.2	.6	36.4 36.2	.6	$\begin{bmatrix} 24.3 \\ 24.1 \end{bmatrix}$
1	.8	65.6 65.4	1	56.8 56.6	8.	47.0 46.8	.8 31.	36.0	.8 41.	23.8
11	I.	65.4	11.	56.4	2I. .2	46.6	.2	35.8	.2	23.6
	.4	65.0	.4	56.2	.4	46.4	.4	35.5	.4	23.3
1	.6	64.9	6	56.0	.6	46.2	.6	35.3	.6	23.1
H	.8	64.7	.8	55.8	.8	46.0	.8	35.0	.8	22.8
	2.	64.5	12.	55.6	22.	45.8	32.	34.8	42.	22.4
l I	.2	64.3	.2	55.4	.2	45.6	.2	34.6	.2	22.3
	.4	64.2	.4	55.2	.4	45.4	.4	34.3	.4	22.1
	.6	64.0	.6	55.1	.6	45.2	.6	34.1	.6	21.8
	.8	63.9	.8	54.9	.8	45.0	.8	33.8	.8	21.6
	3.	63.7	13.	54.7	23.	44.8	33.	33.6 33.4	43.	21.3 21.0
	.2	63.5	.2	54.5	.2	44.6	.2	33.2	.2	20.8
	.6	63.4 63.2	.4	54.3 54.2	.4	44.4	.6	32.9	.6	20.5
	.8	63.1	.8	54.0	.8	43.9	.8	32.7	.8	20.3
	4.	62.9	14.	53.8	24.	43.7	34.	32.5	44.	20.0
<b>!</b>   '	.2	62.7	.2	53.6	.2	43.5	.2	32.3	.2	19.7
Ш	.4	62.5	.4	53.4	.4	43.3	.4	32.0	.4	19.5
Ш	.6	62.4	,6	53.2	,6	43.0	.6	31.8	.6	19.2
Ш	.8	62.2	.8	53.0	.8	42.8	.8	31.5	.8	19.0
Ш	5.	62.0	15.	52.8	25.	42.6	35.	31.3	45.	18.7
Ш	.2	61.8	.2	52.6	.2	42.4	.2	31.1	.2	18.4
H	.4	61.6	.4	52.4	1 .4	42.2	1 .4	30.8	•4	18.1 17.9
	.6	61.5	.6	52.3	.6	42.0	.6	30.6	.6	17.6
11	.8	61.3		52.1 51.9	8.	41.8	36.	30.1	46.	17.3
H	6.	61.1	16. .2	51.5	26.	41.4	30.	29.8	.2	17.0
Ш	.2	60.7	.4	51.5	-4	41.2	.4	29.6	.4	16.7
	·4 .6	60.6	.6	51.3	.6	40.9	.6	29.3	.6	16.5
	.8	60.4	.8	51.1	.8	40.7	.8	29.1	.8	16.2
	7.	60.2	17.	50.9	27.	40.5	37.	28.8	47.	15.9
	.2	60.0	.2	50.7	.2	40.3	.2	28.6	.2	15.6
	-4	59.8	.4	50.5	-4	40.1	.4	28.3	1 .4	15.4
	.6	59.7	.6	50.3	.6	39.8	.6	28.1	.6	15.1
	.8	59.5	.8	50.1	.8	39.6	.8	27.8	.8	14.9
	8.	59.3	18.	49.9	28.	39.4	38.	27.6 27.3	48.	14.3
	.2	59.1	.2	49.7	.2	39.2	.2	27.1	.4	14.0
	•4	59.0	.4	49.5	.6	38.7	.4	26.8	.6	13.8
	.6	58.7	8.	49.1	.8	38.4	.8	26.6	.8	13.5
	.o 9.	58.5	19.	48.9	29.	38.2	39.	26.3	49.	13.2
	.2	58.3	19.	48.7	.2	38.0	.2	26.1	.2	12.9
	•4	58.1	4	48.5	.4	37.8	.4	25.8	1.4	12.6
	.6	57.9	.6	48.2	.6	37.5	.6	25.6	.6	12.4
	.8	57.7	8.	48.0	.8	37.3	.8	25.3	.8	12.1
I	0.	57.5	20.	47.8	30.	37.1	40.	25.1	50.	11.8
IL.	4	1	11	U	11	1	Н	1	4	

## TEMPERATURE 63°.

I	Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per
I	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
H	on	over	on	under	on	under	on	under	on	under
ı	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
I										
I	50.	11.8	60.	3.0	70.	20.1	80.	41.9	90.	<b>73.5</b>
ı	.2	11.5	.2	3.3	.2	20.5	.2	42.5	.2	74.1
ı	•4	11.2	•4	3.6	.4	20.9	.4	43.0	•4	74.7
ı	.6	11.0 10.7	.6	$\begin{array}{c c} 3.9 \\ 4.2 \end{array}$	.6	21.2 21.6	.6	43.6 44.1	.6 8	75.4 76.0
I	.8	10.4	.8 61.	4.5	.8 71.	22.0	81.	44.7	91.	76.6
ı	51.	10.1	.2	4.8	.2	22.4	.2	45.3	.2	77.2
H	.4	9.8	.4	5.2	.4	22.8	.4	45.8	.4	77.8
I	.6	9.6	.6	5.5	.6	23.1	.6	46.4	.6	78.5
H	.8	9.3	.8	5.9	.8	23.5	.8	46.9	.8	79.1
	52.	9.0	62.	6.2	72.	23.9	82.	47.5	92.	79.7
	.2	8.7	.2	6.5	.2	24.3	.2	48.1	.2	80.3
	·4 .6	8.4	.4	6.8 7.2	.4	24.7 25.1	.6	$\begin{array}{c c} 48.7 \\ 49.2 \end{array}$	.4 .6	80.9 81.5
	.6	8.1 7.8	.6 .8	7.5	.6 .8	25.1 25.5	.8	49.2	.8	82.1
	53.	7.5	63.	7.8	73.	25.9	83.	50.4	93.	82.7
ı	.2	7.2	.2	8.1	.2	26.3	.2	51.0	.2	83.3
ı		6.9	.4	8.5	.4	26.7	.4	51.6	.4	83.9
ı	.4 .6	6.7	.6	8.8	.6	27.1	.6	52.2	.6	84.4
i	.8	6.4	.8	9.2	.8	27.5	.8	52.8	.8	85.0
I	54.	6.1	64.	9.5	74.	27.9	84.	53.4	94	85.6
ı	.2	5.8	.2	9.8	.2	28.3	.2	54.0	.2	86.2
ı	·4 .6	5.5 5.3	.4 .6	10.2 10.5	-4	$\begin{array}{c c} 28.7 \\ 29.2 \end{array}$	.6	54.7 55.3	.4 .6	86.7 87.3
ı	.8	5.0	.8	10.9	.6 .8	29.6	.8	56.0	.8	87.8
П	55.	4.7	65.	11.2	75.	30.0	85.	56.6	95.	88.4
ı	.2	4.4	.2	11.5	.2	30.4	.2	57.3	.2	88.9
H	.4	4.1	-4	11.9	.4	30.9	-4	58.0	-4	89.5
I	.6	3.8	.6	12.2	.6	31.3	.6	58.6	.6	90.0
l	.8	3.5	.8	12.6	.8	31.8	.8	59.3	.8	90.6
I	56.	3.2 2.9	66.	12.9 13.2	76.	32.2	86.	60.0 60.7	96.	91.1 91.6
ļ	.2	2.6	.2	13.6	.2	32.7 33.1	.2	61.4	.2	92.1
I	.6	2.3	·4 .6	13.9	.4	33.6	.6	62.0	.6	92.6
	.8	2.0	.8	14.3	.8	34.0	.8	62.7	.8	93.1
1	57-	1.7	67.	14.6	77.	34.5	87.	63.4	97.	93.6
	.2	1.4	.2	15.0	.2	35.0	.2	64.1	.2	94.1
1	•4	1.1	-4	15.3	-4	35.5	•4	64.7	.4	94.6
	.6 .8	.8	.6	15.7	.6	35.9	.6	65.4	.6	95.1
	.8 58.	.5	.8 68.	16.0	.8	36.4	.8 88.	66.0	.8	95.6
	.2	-:-	ii .	16.4 16.8	78.	36.9		66.7 67.4	98.	96.1
	.4	.4	.2	17.1	.2	37.4 37.9	.2	68.1	.2	96.6 97.1
1	.6	.8	.4 .6	17.5	.4 .6	38.3	.4 .6	68.7	.4 .6	97.5
	.8	1.1	.8	17.8	.8	38.8	.8	69.4	.8	98.0
	59.	1.4	69.	18.2	79.	39.3	89.	70.1	99.	98.5
1	.2	1.7	.2	18.6	.2	39.8	.2	70.8	.2	99.0
	.4	2.0	.4	19.0	.4	40.3	•4	71.5	.4	99.4
	.6	2.4 2.7	.6	19.3	.6	40.9	.6	72.1 72.8	.6	99.9
1	60.	3.0	70.	19.7 20.1	.8 80.	41.4	.8 90.	73.5	.8	
		3.0	/5.	20.1	00.	11.0	30.	70.0	100.	

#### TEMPERATURE 64°.

	-	777	- D	XX74 9.	D	3374 m 9-	D	What Po	Per
Wts.&	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per Cent.	Wts. & Divs.	Cent.
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	over	on.	over
on	over	on Stem.	over Proof.	on Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
Stem.	Proof.	Prem.	11001.	Diein.	11001.	NOCHE.	11001.	Docum.	
0,	66.1	10.	57.3	20.	47.5	30.	36.8	40.	24.8
.2	65.9	.2	57.1	.2	47.3	.2	36.6	.2	24.5
.4	65.7	.4	56.9	.4	47.1	.4	36.4	.4	24.3
.6	65.6	.6	56.8	.6	46.9	.6	36.1	.6	24.0
.8	65.4	.8	56.6	.8	46.7	.8	35.9	.8	23.8
r.	65.2	11.	56.4	21.	46.5	31.	35.7	41.	23.5
.2	65.0	.2	56.2	.2	46.3	.2	35.5	.2	23.2
.4	64.8	.4	56.0	•4	46.1	.4	35.2	•4	23.0
.6	64.7	.6	55.8	.6	45.9	.6	35.0	.6	22.7
.8	64.5	.8	55.6	.8	45.7	1	34.7	.8	22.5 22.2
2.	64.3	12,	55.4	22.	45.5	32.	34.5 34.3	42.	22.0
.2	64.1	.2	55.2	.2	45,3	.2	34.1	.2	21.7
-4	64.0	•4	55.0	•4	45.1	.4 .6	33.8	.6	21.5
.6	63.8	.6	54.9	.6	44.9 44.7	.8	33.6	.8	21.2
.8	63.7	.8	54.7 54.5	.8	44.5		33.4	43.	21.0
3.	63.5	13.	54.3	23.	44.3	33.	33.2	.2	20.7
.2	63.3	.2	54.1	.2	44.1	.4	32.9	.4	20.5
1 .4	63.2	•4	54.1	.6	43.8	.6	32.7	.6	20.2
.6	63.0	.6	53.8	.8	43.6	.8	32.4	.8	20.0
.8	$\begin{array}{c} 62.9 \\ 62.7 \end{array}$	8.	53.6	24.	43.4	34.	32.2	44.	19.7
4.	62.5	14.	53.4	.2	43.2	34.	32.0	.2	19.4
.2	62.3	.2	53.2	•4	43.0	.4	31.7	.4	19.2
1 .4	62.2	.4	53.0	.6	42.7	6	31.5	.6	18.9
.6 .8	62.0	.8	52.8	.8	42.5	.8	31.2	.8	18.7
	61.8		52.6	25.	42.3	35.	31.0	45.	18.4
5.	61.6	15.	52.4	.2	42.1	2	30.7	.2	18.1
	61.4	.4	52.2	.4	41.9	.4	30.5	.4	17.8
.4	61.3	.6	52.0	.6	41.6	6	30.2	.6	17.6
.8	61.1	.8	51.8	.8	41.4	.8	30.0	.8	17.3
6.	60.9	16.	51.6	26.	41.2	36.	29.7	46.	17.0
.2	60.7	.2	51.4	.2	41.0	.2	29.5	.2	16.7
.4	60.5	.4	51.2	•4	40.8	.4	29.2	.4	16.4
.6	60.4	6.	51.0	.6	40.6	.6	29.0	.6	16.2
.8	60.2	.8	50.8	.8	40.4	.8	28.7	.8	15.9
7.	60.0	17.	50.6	27.	40.2	37-	28.5	47-	15.6
.2	59.8	.2	50.4	.2	40.0	.2	28.3	.2	15.3
.4	59.6	1 .4	50.2	.4	39.7	.4	28.0	.4	15.0
.6	59.5	.6	50.0	.6	39.5	.6	27.8	.6	14.8
.8	59.3	.8	49.8	.8	39.2	.8		.8	14.5 14.2
8.	59.1	18.	49.6	28.	39.0	38.	27.3	48.	
.2	58.9	.2	49.4	.2	38.8	.2	27.0	.2	13 9 13.6
.4	58.7	.4	49.2	.4	38.6	.4	26.8	•4	13.4
.6	58.6	.6	49.0	.6	38.3	.6	26.5	.6	13.1
.8	58.4	.8	48.8	.8	38.1	.8	26.3 26.0		12.8
9.	58.2	19.	48.6	29.	37.9	39-	25.8	49.	12.5
.2	58.0	.2	48.4	.2	37.7	.2	25.5	.4	12.2
•4	57.8	•4	48.2	•4	37.5	.6	25.3	.6	12.0
.6	57.7	.6	47.9	.6	37.2	.8	25.0	.8	11.7
.8	57.5	8.	47.7	.8	37.0		24.8	50.	11.4
IQ.	57.3	20.	47.5	30.	36.8	40.	21.0	30.	
		М		0	1				

#### TEMPERATURE 64°.

Wts. &	Per	Wts. &	Per	Wts. &	Pon	Wts. &	Per	Wts. &	Dan
Divs.	Cent.		Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Per Cent.
on on	over	op	under	on	under	on.	under	on	under
Stem.	Proof.	Stem.			Proof.		Proof.	Stem.	Proof.
O COLL									2.10021
50.	11.4	60.	3.3	70.	20.5	80.	42.4	90.	73.7
.2	11.1	.2	3.6	.2	20.9	.2	42.9	.2	74.3
.4	10.8	•4	3.9	.4	21.3	•4	43.5	.4	74.9
.6	10.6	.6	4.3	.6	21.6	.6	44.0	.6	75.6
.8	10.3	.8	4.6	.8	22.0	.8	44.6	.8	76.2
51.	10.0 9.7	61.	4.9 5.2	71.	22.4 22.8	81.	45.1	91.	76.8
.2	9.4	.2	5.5	,2	23.2	.2	45.7 46.3	.2	77.4 78.0
.4	9.2	.6	5.9	.6	23.5	.6	46.8	.6	78.7
.8	8.9	.8	6.2	.8	23.9	.8	47.4	.8	79.3
52.	8.7	62.	6.5	72.	24.3	82.	48.0	92.	79.9
.2	8.3	.2	6.8	.2	24.7	.2	48.6	.2	80.5
.4	8.0	•4	7.1	.4	25.1	.4	49.2	•4	81.1
.6	7.8	.6	7.5	.6	25.5	.6	49.7	.6	81.7
.8	7.5	.8	7.8	.8	25.9	.8	50.3	.8	82.3
53.	7.2	63.	8.1	73.	26.3	83.	50.9	93.	82.9
.2	6.9	.2	8.4	.2	26.7	.2	51.5	.2	83.5
.4	6.6 6.3	•4	8.8	•4	27.1	•4	52.1	•4	84.0
.6	6.0	.6	$\begin{array}{c c} 9.1 \\ 9.5 \end{array}$	.6	$\begin{vmatrix} 27.5 \\ 27.9 \end{vmatrix}$	.6	52.6	.6	84.6
	5.7	64.	9.8		28.3	8.8	53.2 53.8	.8	85.1 85.7
54.	5.4	.2	10.1	74.	28.7	84.	54.4	94.	86.3
4	5.1	.4	10.5	•4	29.1	.4	55.1	.4	86.8
.6	4.9	.6	10.8	.6	29.6	.6	55.7	.6	87.4
.8	4.6	.8	11.2	.8	30.0	.8	56.4	.8	87.9
55.	4.3	65.	11.5	75-	30.4	85.	57.0	95.	88.5
.2	4.0	.2	11.8	.2	30.8	.2	57.7	,2	89.0
•4	3.7	•4	12.2	•4	31.3	•4	58.3	.4	89.6
.6	3.4	.6	12.5	.6	31.7	.6	59.0	.6	90.1
.8 56.	$\begin{array}{c} 3.1 \\ 2.8 \end{array}$	.8	12.9	.8	32.2	.8	59.6	.8	90.7
.2	2.5	66.	13.2 13.5	76.	32.6 33.1	86.	60.3	96.	91.2
.4	2.2	1	13.9		33.5	,2	61.0	.2	91.7
.6	1.9	.6	14.2	.6	34.0	.6	$\begin{array}{c} 61.7 \\ 62.3 \end{array}$	.6	92.2 92.7
.8	1.6	.8	14.6	.8	34.4	.8	63.0	.8	93.2
57.	1.3	67.	14.9	77.	34.9	87.	63.7	97.	93.7
.2	1.0	.2	15.3	.2	35.4	.2	64.4	.2	94.2
.4	.7	•4	15.7	.4	35.9	.4	65.0	.4	94.7
.6	.4	.6	16.0	.6	36.3	.6	65.7	.6	95.2
.8	.1	.8	16.4	.8	36.8	.8	66.3	.8	95.7
58.	.2	68.	16.8	78.	37.3	88.	67.0	98.	96.2
.2	.5	.2	17.2	.2	37.8	.2	67.7	,2	96.7
•4	.8	•4	17.5	•4	38.3	•4	68.3	-4	97.2
.6	1.1 1.4	.6	17.9 18.2	.6	38.8	.6	69.0	.6	97.6
59.	1.7	69.	18.6	.8	39.3 39.8	8.	69.6	.8	98.1
.2	2.0	.2	19.0	79.	40.3	89.	70.3 71.0	99.	98.6
-4	2.3	.4	19.4	.4	40.8	.4	71.7	.2	99.1 99.5
.6	2.7	.6	19.7	.6	41.4	.6	72.3	.6	100.0
.8	3.0	.8	20.1	.8	41.9	.8	73.0	.8	-00.0
60.	3.3	70.	20.5	80.	42.4	90.		100.	
		-							

#### TEMPERATURE 65°.

	-	NAT' 6	-	777	-	TTT! 6	70	TATE OF	2
Wts. &	Per	Wts. &		Wts. &	Per	Wts. &		Wts.&	Per
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
on	over	on	over	on	over	on	over	on	over
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
	05.0				47.0		90 5		04.5
0.	65.8	10.	57.0	20.	47.3	30.	36.5	40.	24.5
.2	65.6	.2	56.8	.2	47.1	.2	36.3	.2	24.2
•4	65.4	.4	56.6	•4	46.9	•4	36.0	•4	24.0
.6	65.3	.6	56.5	.6	46.7	.6	35.8	.6	23.7
.8	65.1	.8	56.3	.8	46.5	.8	35.5	.8	23.5
I.	64.9	II.	56.1	21.	46.3	31.	35.3	4I.	23.2 22.9
.2	64.7	.2	55.9	.2	46.1	.2	35.1	.2	
•4	64.6	-4	55.7	•4	45.9	.4	34.9	•4	22.7
.6	64.4	.6	55.5	.6	45.7	.6	34.6	.6	22.4
.8	64.3	.8	55.3	.8	45.5	.8	34.4	.8	22.2
2.	64.1	12.	55.1	22.	45.3	32.	34.2	42.	21.9
.2	63.9	.2	54.9	.2	45.1	.2	34.0	.2	21.6
-4	63.8	.4	54.7	•4	44.9	•4	33.7	•4	21.4
.6	63.6	.6	54.6	.6	44.6	.6	33.5	.6	21.1
.8	63.5	.8	54.4	.8	44.4	.8	33.2	.8	20.9
3.	63.3	13.	54.2	23.	44.2	33.	33.0	43.	20.6
.2	63.1	.2	54.0	.2	44.0	.2	32.8	.2	20.3
.4	62.9	.4	53.8	•4	43.8	•4	32.5	•4	20.1
.6	62.8	.6	53.7	.6	43.5	.6	32.3	.6	19.8
.8	62.6	.8	53.5	.8	43.3	.8	32.0	.8	19.6
4.	62.4	14.	53.3	24.	43.1	34.	31.8	44.	19.3
.2	62.2	.2	53.1	.2	42.9	.2	31.6	.2	19.0
.4	62.0	.4	52.9	·4	42.7	-4	31.3	•4	18.8
.6	61.9	.6	52.7	.6	42.4	.6	31.1	.6	18.5
.8	61.7	.8	52.5	.8	42.2	.8	30.8	.8	18.3
5.	61.5	15.	52.3	25.	42.0	35.	30.6	45.	18.0
.2	61.3	.2	52.1	.2	41.8	.2	30.4.	.2	17.7
.4	61.1	.4	51.9	•4	41,6	.4	30.1	.4	17.4
.6	61.0	.6	51.7	.6	41.3	.6	29.9	.6	17.2
.8	60.8	.8	51.5	.8	41.1	.8	29.6	.8	16.9
6.	60.6	16.	51.3	26.	40.9	36.	29.4	46.	16.6
.2	60.4	.2	51.1	.2	40.7	.2	29.2	.2	16.3
.4	60.2	.4	50.9	.4	40.5	.4	28.9	.4	16.1
.6	60.1	.6	50.7	.6	40.3	.6	28.7	.6	15.8
.8	59.9	.8	50.5	.8	40.1	.8	28.4	.8	15.6
7.	59.7	17.	50.3	27.	39.9	37.	28.2	47.	15.3
.2	59.5	.2	50.1	.2	39.7	.2	28.0	.2	15.0
.4	59.3	.4	49.9	.4	39.4	.4	27.7	.4	14.7
.6	59.2	.6	49.7	.6	39.2	.6	27.5	.6	14.5
.8	59.0	.8	49.5	.8	38.9	.8	27.2	.8	14.2
8.	58.8	18.	49.3	28.	38.7	38.	27.0	48.	13.9
.2	58.6	.2	49.1	.2	38.5	.2	26.7	.2	13.6
.4	58.4	.4	48.9	.4	38.3	.4	26.5	•4	13.3
.6	58.3	.6	48.7	.6	38.0	.6	26.2	.6	13.1
.8	58.1	.8	48.5	.8	37.8	.8	26.0	.8	12.8
9.	57.9	19.	48.3	29.	37.6	39.	25.7	49.	12.5
9.	57.7	.2	48.1	.2	37.4	.2	25.5	.2	12,2
	57.5	.4	47.9	.4	37.2	•4	25.2	.4	11.9
.4	57.4	.6	47.7	.6	36.9	.6	25.0	.6	11.7
.8	57.2	.8	47.5	.8	36.7	.8	24.7	.8	11.4
10,	57.0	20.	47.3	30.	36.5	40.	24.5	50.	11.1
10.	07.0	23.	1,10	H		1		1	
	1	11		10		-			

## TEMPERATURE 65°.

ſ					1		là.		1.	
ı	Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per
ı	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
ı	on	over	011	under		under	on	under	on	under
I	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
ı	50.	11.1	60.	3.6	70.	20.9	80.	42.8	90.	73.9
ł	.2	10.8	.2	3.9	.2	21.3	.2	43.4	.2	74.5
ı	.4	10.5	.4	4.3	.4	21.7	.4	43.9	.4	75.1
ı	.6	10.3	.6	4.6	.6	22.0	.6	44.5	.6	75.8
ı	.8	10.0	.8	5.0	.8	22.4	.8	45.0	.8	76.4
ı	51.	9.7	61.	5.3	71.	22.8	81.	45.6	91.	77.0
ı	.2	$\begin{array}{c} 9.4 \\ 9.1 \end{array}$	.2	5.6 5.9	.2	23.2 23.6	.2	46.2 46.7	.2	77.6 78.2
ı	.4 .6	8.9	.6	6.3	.6	23.9	·4 .6	47.3	.6	78.8
ı	.8	8.6	.8	6.6	.8	24.3	.8	47.8	.8	79.4
ı	52.	8.3	62.	6.9	72.	24.7	82.	48.4	92.	80.0
I	.2	8.0	.2	7.2	.2	25.1	.2	49.0	.2	80.6
1	.4	7.7	•4	7.5	.4	25.5	•4	49.6	•4	81.2
1	.6	7.5	.6	7.9	.6	25.9	.6	50.1	.6	81.8
I	.8 53.	$\begin{array}{c c} 7.2 \\ 6.9 \end{array}$	.8 63.	8.2 8.5	.8	26.3 26.7	.8 83.	50.7 51.3	.8	82.4
ı	.2	6.6	.2	8.8	73.	27.1	.2	51.9	93.	83.6
l	•4	6.3	.4	9.2	.4	27.5	.4	52.5	•4	84.2
I	.6	6.0	.6	9.5	.6	27.9	.6	53.0	.6	84.7
I	.8	5.7	.8	9.9	.8	28.3	.8	53.6	.8	85.3
ı	54-	5.4	64.	10.2	74.	28.7	84.	54.2	94.	85.9
I	.2	5.1 4.8	.2	10. <b>5</b> 10.9	.2	29.1 29.5	.2	54.8 55.5	.2	86.4
I	.6	4.5	.6	11.2	.6	30.0	.4 .6	56.1	·4 .6	87.0 87.5
I	.8	4.2	.8	11.6	.8	30.4	.8	56.8	.8	88.1
H	55.	3.9	65.	11.9	75.	30.8	85.	57.4	95.	88.6
ı	.2	3.6	.2	12.2	.2	31.2	.2	58.0	.2	89.1
H	•4	3.3	•4	12.6	.4	31.7	-4	58.7	-4	89.7
ı	.6	3.1	.6	12.9	.6	32.1	.6	59.3	.6	90.2
ı	.8 56.	2.8 2.5	.8 66.	13.3 13.6	.8	32.6 33.0	.8 86.	60.0	.8	90.8
ı	.2	2.2	.2	13.9	76. .2	33.5	.2	61.3	96.	91.8
ł	.4	1.9	.4	14.3	.4	34.0	.4	62.0	.4	92.3
ı	.6	1.6	.6	14.6	.6	34.4	.6	62.6	.6	92.8
	.8	1.3	.8	15.0	.8	34.9	.8	63.3	.8	93.3
	57.	1.0	67.	15.3	77.	35.4	87.	64.0	97.	93.8
	.2	.7	.2	15.7	.2	35.9	.2	64.7 65.3	.2	94.3
	.6		.6	16.1 16.4	.6	36.4 36.8	.4	66.0	.6	94.8 95.3
	.8	.3	.8	16.8	.8	37.3	.8	66.6	.8	95.8
	58.	.6	68.	17.2	78.	37.8	88.	67.3	98.	96.3
	.2	.9	.2	17.6	.2	38.3	.2	68.0	.2	96.8
	•4	1.2	.4	17.9	•4	38.8	•4	68.6	.4	97.3
	.6	1.5 1.8	.6 .8	18.3 18.6	.6	39.2	.6	69.3 69.9	.6	97.7
	59.	2.1	69.	19.0	.8 79.	$\frac{39.7}{40.2}$	.8	70.6	.8	98.2 98.7
	.2	2.4	.2	19.4	.2	40.7	.2	71.3	99.	99.1
	-4	2.7	.4	19.8	•4	41.2	.4	71.9	.4	99.6
	.6	3.0	.6	20.1	.6	41.8	.6	72.6	.6	100.0
	.8	3.3	.8	20.5	.8	42.3	.8	73.2	.8	
	60.	3.6	70.	20.9	80.	42.8	90.	73.9	100.	
L		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		- 1		- 4	1		1	

#### TEMPERATURE 66°.

1	D	3371 0	D	3774	D	3374- 9-	D	TETA . Pa	Per
Wts. &	Per	Wts. &	Per Cent.	Wts. & Divs.	Per Cent.	Wts. & Divs.	Per Cent.	Wts. & Divs.	Cent.
Divs.	Cent.	Divs.	over	on	over	on	over	on on	over
Stem.	Proof.	Stem.	Proof.		Proof.	Stem.	Proof.	Stem.	Proof.
	65.5	10.	56.7	20.	47.0	30.	36.2	40.	24.1
0.	65.3	.2	56.5	.2	46.8	.2	36.0	.2	23.8
.4	65.2	.4	56.3	.4	46.6	.4	35.7	.4	23.6
.6	65.0	.6	56.2	.6	46.4	.6	35.5	.6	23.3
.8	64.9	.8	56.0	.8	46.2	.8	35.2	.8	23.1
I.	64.7	11.	55.8	21.	46.0	31.	35.0	41.	22.8
.2	64.5	.2	55.6	.2	45.8	.2	34.8	.2	22.5
.4	64.3	•4	55.4	.4	45.6	.4	34.6	.4	22.3
.6	64.2	.6	55.3	.6	45.3	.6	34.3	.6	22.0
.8	64.0	.8	55.1	.8	45.1	.8	34,1 33.9	.8	21.8
2.	63.8	I2.	54.9	22.	44.9	32.	33.7	42.	21.5 21.2
.2	63.6	.2	54.7 54.5	.2	44.7	.2	33.4	.2	21.0
.6	63.5	.6	54.3	.6	44.3	.6	33.2	.6	20.7
.8	63.2	.8	54.1	.8	44.1	.8	32.9	.8	20.5
3.	63.0	13.	53.9	23.	43.9	33.	32.7	43.	20.2
.2	62.8	.2	53.7	.2	43.7	.2	32.5	.2	19.9
.4	62.6	•4	53.5	.4	43.5	.4	32.2	.4	19.7
.6	62.5	.6	53.4	.6	43.2	.6	32.0	.6	19.4
.8	62.3	.8	53.2	.8	43.0	.8	31.7	.8	19.2
4.	62.1	14.	53.0	24.	42.8	34-	31.5	44.	18.9
.2	61.9	.2	52.8	.2	42.6	.2	31.3	.2	18.6
-4	61.7	.4	52.6	.4	42.4	1 .4	31.0	•4	18.4
.6	61.6	.6	52.4	.6	42.2	.6	30.8	.6	18.1 17.9
.8	61.4	.8	52.2	.8	42.0	.8	30.3	45.	17.6
5.	61.2	15.	52.0 51.8	25.	41.6	35.	30.1	45.	17.3
.2	61.0	.2	51.6	.4	41.4	.4	29.8	.4	17.1
.6	60.7	.6	51.4	1 .6	41.1	1 .6	29.6	.6	16.8
1.8	60.6	.8	51.2	.8	40.9	.8	29.3	.8	16.6
6.	60.4	16.	51.0	26.	40.7	36.	29.1	46.	16.3
.2	60.2	.2	50.8	.2	40.5	.2	28.9	.2	16.0
.4	60.0	.4	50.6	.4	40.3	.4	28.6	1 .4	15.7
.6	59.9	.6	50.5	.6	40.0	.6	28.4		15.5
.8	59.7	.8	50.3	.8	39.8	.8	28.1 27.9	.8	15.2
7.	59.5	17.	50.1	27.	39.6	37.	27.6	47.	14.9
.2	59.3	.2	49.9	.2	39.4	.2	1 ~ 4		14.3
•4	59.1	.4	49.7	.6	38.9	.6		.6	14.1
.6	59.0	.6	49.3		38.6				13.8
8.	58.6	18.	49.1	28.	38.4		26.6	48.	13.5
,2	58.4	.2	48.9	.2	38.2		26.4	.2	13.2
.4	58.2	.4	48.7	.4	38.0	.4	26.1		13.0
.6	58.0	.6	48.4	.6	37.7	.6	25.9		12.7
.8	57.8	.8	48.2	.8	37.5	.8	25.6	21	12.5
9.	57.6	19.	48.0	29.	37.3		25.4	11	12.2
.2	57.4	.2	47.8	.2	37.1	.2	1 0 4 0	15	11.9
.4	57.2	.4	47.6	1 .4	36.9				
.6	57.1	.6	47.4		36.6				11.4
.8	56.9	.8	47.2	8	36.4 36.2		24.1		10.8
10.	56.7	20.	47.0	30.	00.2	40.	- A - A - A	700	10.0

## TEMPERATURE 66°.

Wts. &	D	3374. B.	Per	Wts. &	Per	Wts. &	Per	Wts. &	Don
Divs.	Per Cent.	Wts. & Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Per Cent.
on	over	on	under	on	under	on	under	on	under
Stem.	Proof.	Stem.	Proof.			Stem.	Proof.	Stem.	Proof.
				j				Stem.	11001.
50.	10.8	60.	4.0	70.	21.3	80.	43.3	90.	74.1
.2	10.5	.2	4.3	.2	21.7	.2	43.9	.2	74.7
.4	10.2	-4	4.7	.4	22.1	.4	44.4	•4	75.3
.6	9.9	.6	5.0	.6	22.4	.6	45.0	.6	76.0
.8	9.6	.8	5.4	.8	22.8 23.2	.8	45.5	.8	76.6
5I. .2	$\begin{array}{c c} 9.3 \\ 9.0 \end{array}$	61.	5.7	71.	23.6	81.	46.1 46.7	91.	77.2 77.8
.4	8.7	.2	$\begin{array}{c c} 6.0 \\ 6.3 \end{array}$	.2	24.0	.4	47.2	.2	78.4
.6	8.5	.6	6.6	.6	24.3	.6	47.8	.6	79.0
.8	8.2	.8	6.9	.8	24.7	.8	48.3	.8	79.6
52.	7.9	62.	7.2	72.	25.1	82.	48.9	92.	80.2
.2	7.6	.2	7.5	.2	25.5	.2	49.5	.2	80.8
-4	7.3	•4	7.9	-4	25.9	-4	50.0	•4	81.4
.6	7.1	.6	8.2	.6	26.3	.6	50.6	.6	82.0
.8	6.8	.8	8.6	.8	26.7	.8	51.1	.8	82.6
53-	6.5	63.	8.9	73-	$27.1 \\ 27.5$	83.	51.7	93.	83.2
.2	$\begin{array}{c c} 6.2 \\ 5.9 \end{array}$	.2	9.2 9.6	.2	27.9	.2	52.3 52.9	.2	83.8 84.3
.6	5.7	·4 .6	9.9	.4 .6	28.4	.4 .6	53.4	.6	84.9
.8	5.4	.8	10.3	.8	28.8	.8	54.0	.8	85.4
54.	5.1	64.	10.6	74.	29.2	84.	54.6	94.	86.0
.2	4.8	.2	10.9	.2	29.6	.2	55.2	.2	86.6
•4	4.5	.4	11.3	.4	30.0	.4	55.8	.4	87.1
.6	4.2	.6	11.6	.6	30.5	.6	56.5	.6	87.7
.8	3.9	.8	12.0	.8	30.9	.8	57.1	.8	88.2
55.	3.6	65.	12.3	75.	31.3	85.	57.7	95-	88.8
.2	3.3	.2	12.6 13.0	.2	$\frac{31.7}{32.2}$	.2	58.3 59.0	.2	89.3
.6	$\frac{3.0}{2.7}$	·4 .6	13.3	·4 .6	32.6	·4 .6	59.6	.4 .6	89.8 90.4
.8	2.4	.8	13.7	.8	33.1	.8	60.3	.8	90.9
56.	2.1	66.	14.0	76.	33.5	86.	60.9	96.	91.4
.2	1.8	.2	14.3	.2	34.0	.2	61.6	.2	91.9
•4	1.5	.4	14.7	.4	34.4	.4	62.3	.4	92.4
.6	1.2	.6	15.0	.6	34.9	.6	62.9	.6	93.0
.8	.9	.8	15.4	.8	35.3	.8	63.6	.8	93.5
57.	.6 .3	67.	15.7	77.	35.8 36.3	87.	64.3	97.	94.0
.2	.5	.2	16.1 16.5	.2	36.8	.2	64.9 65.6	.2	94.5
.6	.4	·4 .6	16.8	·4 .6	37.2	.4	66.2	·4 .6	95.0 95.4
.8	.7	.8	17.2	.8	37.7	.8	66.9	.8	95.9
58.	1.0	68.	17.6	78.	38.2	88.	67.5	98.	96.4
.2	1.3	.2	18.0	.2	38.7	.2	68.2	.2	96.9
1 .4	1.6	.4	18.3	-4	39.2	-4	68.8	.4	97.4
.6	1.9	.6	18.7	.6	39.7	.6	69.5	.6	97.8
.8	2.2	.8	19.0	.8	40.2	.8	70.1	.8	98.3
59.	2.5 2.8	69.	19.4 19.8	79.	40.7	89.	70.8	99.	98.8
.4	3.1	.2	20.2	.2	41.7	.2	71.5 72.1	.2	$ \begin{array}{c c} 99.2 \\ 99.7 \end{array} $
.6	3.4	.6	20.5	.6	42.3	.6	72.8	·4 .6	
.8	3.7	.8	20.9	.8	42.8	.8	73.4	.8	
60.	4.0	70.	21.3	80.	43.3	90.	74.1	100.	

## TEMPERATURE 67°.

	- i	TTT. 0.	-	3374 - G	D	Wts. &	Don	Wts.&	Per
Wts. &	Per	Wts. &		Wts. &				Divs.	Cent.
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	on	over
on	over	on	over	on	over	On	over Proof.	Stem.	Proof.
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	I 1001.	Stem.	1 1001.
	07.0		FC 4		46.7	20	35.9	40	23.8
0.	65.3	10.	56.4	20.		30.	35.7	40.	23.5
.2	65.1	.2	56.2	.2	46.5	.2	35.4	.2	23.3
.4	65.0	•4	56.0	.4	46.3 46.1	•4	35.2	•4 .6	23.0
.6	64.8	.6	55.9	.6		.6	34.9	.8	22.8
.8	64.7	.8	55.7	.8	45.9	.8	34.7		22.5
I.	64.5	II.	55.5	21.	45.7 45.5	31.	34.5	4I.	22.2
.2	64.3	.2	55.3	.2	45.3	.2	34.3	13	22.0
•4	64.1	.4	55.1	•4		•4	34.0	.6	21.7
.6	64.0	.6	55.0	.6	45.0	.6	33.8	.8	21.5
.8	63.8	.8	54.8	.8	44.8	.8			21.2
2.	63.6	12.	54.6	22.	44.6	32.	33.6	42.	20.9
.2	63.4	.2	54.4	.2	44.4	.2	33.1	.2	20.7
-4	63.2	.4	54.2	.4	44.2	•4	32.9	1 .4	20.4
.6	63.1	.6	54.1	.6	44.0	.6	32.9	.6	20.4
.8	62.9	.8	53.9	.8	43.8	.8		8.	19.9
3.	62.7	13.	53.7	23.	43.6	33.	32.4	43.	19.6
.2	62.5	.2	53.5	.2	43.4	.2	32.2	.2	19.4
.4	62.3	.4	53.3	.4	43.2	.4	31.9	1 .4	
.6	62.2	.6	53.2	.6	42.9	.6	31.7	0.6	19.1
.8	62.0	.8	53.0	.8	42.7	8.	31.4	.8	18.9
4.	61.8	14.	52.8	24.	42.5	34.	31.2	44.	18.6 18.3
.2	61.6	.2	52.6	.2	42.3	.2	31.0	.2	
•4	61.5	.4	52.4	.4	42.1	1 .4	30.7	1 .4	18.1
.6	61.3	,6	52, 2	.6	41.9	.6	30.5	.6	17.8
.8	61.2	.8	52.0	.8	41.7	.8	30.2	.8	17.6
5.	61.0	15.	51.8	25.	41.5	∥ 35⋅	30.0	45.	17.3
.2	60.8	.2	51.6	.2	41.3	.2	29.8	.2	17.0
.4	60.6	.4	51.4	.4	41.1	.4	29.5	•4	16.8
.6	60.5	.6	51.2	.6	40.8	.6	29.3	1 .6	16.5
.8	60.3	.8	51.0	.8	40.6	.8	29.0	.8	16.3
6.	60.1	16.	50.8	26.	40.4	36.	28.8	46.	16.0
.2	59.9	.2	50.6	.2	40,2	.2	28.6	.2	15.7
.4	59.7	.4	50.4	.4	40.0	.4	28.3	•4	15.4
.6	59.6	.6	50.2	.6	39.7	.6	28.1	.6	15.2
.8	59.4	8	50.0	.8	39.5	.8	27.8	.8	14.9
7.	59.2	17.	49.8	27.	39.3	37.	27.6	47.	14.6
.2	59.0	2	49.6	.2	39.1	.2	27.3	.2	14.3
.4	58.8		49.4	.4	38.8	.4	27.1	1 .4	14.0
.6	58.7	.4	49.2	.6	38.6	.6	26.8	.6	13.8
.8	58.5	8	49.0	.8	38.3	.8	26.6	.8	
8.	58.3	18.	48.8	28.	38.1	38.	26.3	48.	13.2
.2	58.1	.2	48.6	.2	37.9	.2	26.1	.2	12.9
.4	57.9	.4	48.4	.4	37.7	.4	25.8		12.6
1 .6	57.8	.6	48.1	.6	37.4	.6	25.6		12.4
.8	57.6	.8	47.9	.8	37.2	.8	25.3	3.1	12.1
	57.4	19.	47.7	29.	37.0	39.	25.1	49.	11.8
9.	57.2	19.	47.5	.2	36.8	.2	24.8	.2	11.5
.2	57.0	.4	47.3	.4	36.6	.4	24.6		11.2
.4	56.8	.6	47.1	.6	36.3	.6	+24.3		11.0
.6	56.6	.8	46.9	.8	36.1	.8	24.1		
	56.4	20.	46.7	30.	35.9	40.	23.8		10.4
10.	30.4	20.	20.7	30.					
		11		-0					

## TEMPERATURE 67°.

177. 4	n.	Wts. &	D	7371	Per	Wts. &	Per	Wts. &	D
Wts. &	Per Cent.	Divs.	Per Cent.	Wts. &	Cent.	Divs.	Cent.	Divs.	Per Cent.
Divs.	over	on	uuder	Divs.	under	on	under	on	under
on Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
Stem.	1 1001.	Steni.	1 1001.	Stent.	1 1001.	Doein.	11001.	otem.	11001.
50.	10.4	60.	4.4	70.	21.7	80.	43.7	90.	74.3
.2	10.1	.2	4.7	.2	22.1	.2	44.3	.2	74.9
.4	9.8	-4	5.0	.4	22,5	.4	44.8	.4	75.5
.6	9.6	.6	5.4	.6	22.8	.6	45.4	.6	76.2
.8	9.3	.8	5.7	.8	23.2	.8	45.9	.8	76.8
51.	9.0	61.	6.0	71.	23.6	81.	46.5	91.	77.4
.2	8.7	.2	6.3	.2	24.0	.2	47.1	.2	78.0
-4	8.4	.4	6.6	.4	24.4	.4	47.7	.4	78.6
.6	8.2	.6	7.0	<u>.</u> 6	24.7	.6	48.2	.6	79.2
.8	7.9	.8	7.3	.8	25.1	.8	48.8	.8	79.8
52.	7.6	62.	7.6	72.	25.5	82.	49.4	92.	80.4
.2	7.3	.2	7.9	.2	25.9	.2	49.9	.2	81.0
-4	7.0	-4	8.3	.4	26.3	٠4	50.5	-4	81.6
.6	6.8	.6	8.6	.6	26.7	.6	51.0	.6	82.1
.8	6.5	.8	9.0	.8	27,1	.8	51.6	.8	82.7
53.	6.2	63.	9.3	73.	27.5	83.	52.1	93.	83.3
.2	5.9	.2	9.6	.2	27.9	.2	52.7	.2	83.9
·4 .6	5,6	-4	10.0	.4	28.3	•4	53.3	.4	84.5
.6	5,3	.6	10.3	.6	28.8	.6	53.8	.6	85.0
.8	5.0	.8	10.7	.8	29.2	.8	54.4	.8	85.6
54.	4.7	64.	11.0	74.	29.6	84.	55.0	94.	86.2
.2	4.4	.2	11.3	.2	30.0	.2	55.6	.2	86.7
-4	4.1	-4	11.7	.4	30.4	•4	56.2	•4	87.3
.6	3.9	.6	12.0	.6	30.9	.6	56.9	.6	87.8
.8	3.6	.8	12.4	.8	31.3	.8	57.5	.8	88.4
55.	3.3	65.	12.7	75.	31.7	85.	58.1	95-	88.9
.2	3.0	.2	13.0	,2	32,1	.2	58.7	.2	89.4
1.4	2.7	.4	13.4	.4	32.6	•4	59.3	1 .4	89.9
.6	2.4	.6	13.7	.6	33.0	.6	60.0	.6	90.5
.8	2.1	.8	14.1	.8	33.5	.8	60.6	.8	91.0
56.	1.8	66.	14.4	76.	33.9	86.	61.2	96.	91.5
.2	1.5	.2	14.7	.2	34.4	.2	$\begin{bmatrix} 61.9 \\ 69.6 \end{bmatrix}$	.2	92.0
.4 .6	1.2	-4	15.1	.4	34.9	.4	62.6	•4	92.5
.8	.9 .6	.6 .8	15.4 15.8	•6	35.3	.6	63.2	.6	93.1
	.0	67.	16.1	.8	35.8	87.	63.9		93.6
57.	.0		16.5	77.	36.3 36.8	.2	$\begin{array}{c c} 64.6 \\ 65.2 \end{array}$	97-	94.1
	2	.2	16.9	.2	37.2		65.9	.2	94.6
.4 .6	.3 .7	.6	17.2	.4	37.7	.6	66.5	·4 .6	95.1
.8	1.0	.8	17.6	.6 .8	38.1	.8	67.2	.8	95.5 96.0
58.	1.3	68.	18.0	78.	38.6	88.	67.8	98.	96.5
.2	1.6	.2	18.4		39.1	.2	68.4		97.0
	1.9	.4	18.7	.2	39.6	1	69.1	.2	97.5
.4 .6	2.3	.6	19.1	.6	40.1	.6	69.7	.6	97.9
.8	2.6	.8	19.4	.8	40.6	.8	70.4	.8	98.4
59.	2.9	69.	19.8	79.	41.1	89.	71.0	99.	98.9
.2	3.2	.2	20.2	.2	41.6	.2	71.7	39.	99.3
	3.5	.4	20.6	.4	42.1	.4	72.3	.4	99.8
6	3.8	.6	20.9	.6	42.7	.6	73.0	.6	
·4 6 .8	4.1	.8	21.3	.8	43.2	.8	73.6	.8	
60.	4.4	70.	21.7	80.	43.7	90.	74.3	100.	
	- 1	1		1				1	
70.00									

#### TEMPERATURE 68°.

	20	TTT	D	3374 0	TD	Wts. &	D	Wts. &	Per
Wts.&	Per	Wts. &		Wts. &				Divs.	Cent.
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	on	over
on	over	on	over	on	over	on	over Proof.	Stem.	Proof.
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	I 1001.	Stem.	1 1001,
	05.1		56.0		46.5		35.6	40	23.5
0.	65.1	10.	56.2	20.	46.5	30.	35.4	40.	23.2
.2	64.9	.2	56.0	.2	46.3 46.1	.2	35.1	.2	23.0
1 .4	64.7	•4	55.8 55.7	•4	45.8	.4	34.9	.4 .6	22.7
.6	64.6	.6	55.5	.6	45.6	.8	34.6	.8	22.5
.8	64.4	.8	55.3	.8	45.5		34.4		22.2
I.	64.2	II.	55.1	21.	45.2	31.	34.2	41.	21.9
.2	64.0	.2	54.9	.2	45.0	.2	34.0	.4	21.7
•4	63.9	.4	54.8	•4	44.8	.4	33.7	.6	21.4
.6	63.7	.8	54.6	.6	44.6	.8	33.5	.8	21.2
.8	63.6	_	54.4	.8	44.4		33.3	42.	20.9
2.	63.4	12.	54.2	22.	44.2	32.	33.1	.2	20.6
.2	63.2	.2	54.0	.2	44.0	.4	32.8	.4	20.4
.6	63.0 62.9	.4	53.8	.6	43.7	.6	32.6	.6	20.1
0.	62.7	.6 .8	53.6	.8	43.5	.8	32.3	.8	19.9
.8	62.5		53.4		43.3		32.1	43.	19.6
3.	62.3	13.	53.2	23.	43.1	33.	31.9	43.	19.3
.2		.2	53.0	.2	42.9		31.6	.4	19.1
.4	62.1	.4	52.9	•4	42.6	.4	31.4	.6	18.8
.6	62.0 61.8	.6	52.7	.6	42.4	.8	31.1	.8	18.6
.8		.8	52.5	.8	42.2		30.9	44.	18.3
4.	61.6	14.	52.3	24.	42.0	34.	30.7	.2	18.0
.2	61.4	.2	52.1	.2	41.8	.4	30.4	.4	17.7
•4	61.3	•4	51.9	.6	41.5	6	30.2	.6	17.5
.6	61.1	.6	51.7	.8	41.3	Š	29.9	.8	17.2
.8	61.0	.8	51.5		41.1	35.	29.7	45.	16.9
5.	60.8	15.	51.3	25. .2	40.9	35.	29.5	43.	16.6
.2		.2	51.1	1	40.7	.4	29.2	4	16.4
•4 ,6	60.4	.4	50.9	·4 .6	40.5	6	29.0	.6	16.1
0,	60.3	.6	50.7	.8	40.3	.8	28.7	.8	15.9
.8		.8	50.5	26.	40.1	36.	28.5	46.	15.6
6.	59.9	16.	50.3	13	39.9	30.	28.3	.2	15.3
.2	59.7	.2	50.1	.2	39.7	4	28.0	.4	15.0
•4	59.5	.4	49.9	.6	39.4	.6	27.8	.6	14.8
.6	59.4	.6	49.7	.8	39.2	.8	27.5	.8	14.5
.8	59.2		49.5	27.	39.0	37.	27.3	47.	14.2
7.	59.0 58.8	17.	49.3	.2	38.8	3/.2	27.0	.2	13.9
.2	58.6	.2	49.1	.4	38.5	.4	26.8	.4	13.6
•4	58.5	.4	48.9	.6	38.3	6	26.5	.6	13.4
,6	58.3	.8	48.7	.8	38.0	8	26.3	.8	13.1
.8	58.1	18.	48.5	28.	37.8	38.	26.0	48.	12.8
8.	57.9		48.3	.2	37.6	.2	25.8	.2	12.5 12.3
.2	57.7	.2	48.1	.4	37.4	.4	25.5	.4	12.3
•4	57.5	.6	47.9	.6	37.1	.6	25.3	.6	12.0
.6	57.3	.8	47.7	.8	36.9	.8	25.0	.8	11.8
.8	57.1	11	47.5	29.	36.7	39.	24.8	49.	11.5
9.	56.9	19.	47.3	.2	36.5	.2	24.5	.2	11.2
.2	56.7	.2	47.1	•4	36.3	.4	24.3	.4	10.9
•4	56.6	.6	46.9	.6	36.0	.6	24.0	.6	10.7
.6	56.4	.8	46.7	.8	35.8	.8	23.8	.8	10.4
.8	56.2	11	46.5	30.	35.6	40.	23.5	50.	10,1
10,	00.2	20.	-3,0	30.	00.0				
		n .		Į*					

## TEMPERATURE 68°.

Divs. on over Stem.         Proof.         Stem.	Per Cent. ander 74.5 75.1 75.7 76.4 77.6 77.8 2
Divs. Cent. on Stem.         Divs. on over Stem.         Divs. on on over Stem.         Proof.         Stem.<	Cent. ander Proof. 74.5 75.1 75.7 76.4 77.0 77.6 78.2
on Stem.         over Stem.         on Proof.         under Stem.         on Proof.         under Proof.         on Stem.         under Proof.         on Proof.         under Proof.	74.5 75.1 75.7 76.4 77.0 77.6 78.2
Stem.         Proof.         St	74.5 75.1 75.7 76.4 77.0 77.6 78.2
50.     10.1     60.     4.8     70.     22.1     80.     44.3     90.     70.       .2     9.8     .2     5.1     .2     22.5     .2     44.8     .2     70.       .4     9.5     .4     5.4     .4     22.9     .4     45.4     .4     70.       .6     9.3     .6     5.8     .6     23.2     .6     45.9     .6     70.       .8     9.0     .8     6.1     .8     23.6     .8     46.5     .8     70.       51.     8.7     61.     6.4     71.     24.0     81.     47.0     91.     77.	74.5 75.1 75.7 76.4 77.0 77.6 78.2
$ \begin{bmatrix} & .2 & 9.8 & .2 & 5.1 & .2 & 22.5 & .2 & 44.8 & .2 & 7 \\ .4 & 9.5 & .4 & 5.4 & .4 & 22.9 & .4 & 45.4 & .4 & 7 \\ .6 & 9.3 & .6 & 5.8 & .6 & 23.2 & .6 & 45.9 & .6 & 7 \\ .8 & 9.0 & .8 & 6.1 & .8 & 23.6 & .8 & 46.5 & .8 & 7 \\ 51. & 8.7 & 61. & 6.4 & 71. & 24.0 & 81. & 47.0 & 91. & 7 \\ \end{bmatrix} $	75.1 75.7 76.4 77.0 77.6 78.2
$ \begin{bmatrix} & .2 & 9.8 & .2 & 5.1 & .2 & 22.5 & .2 & 44.8 & .2 & 7 \\ .4 & 9.5 & .4 & 5.4 & .4 & 22.9 & .4 & 45.4 & .4 & 7 \\ .6 & 9.3 & .6 & 5.8 & .6 & 23.2 & .6 & 45.9 & .6 & 7 \\ .8 & 9.0 & .8 & 6.1 & .8 & 23.6 & .8 & 46.5 & .8 & 7 \\ 51. & 8.7 & 61. & 6.4 & 71. & 24.0 & 81. & 47.0 & 91. & 7 \\ \end{bmatrix} $	75.1 75.7 76.4 77.0 77.6 78.2
$ \begin{bmatrix} .4 & 9.5 & .4 & 5.4 & .4 & 22.9 & .4 & 45.4 & .4 & 7.5 \\ .6 & 9.3 & .6 & 5.8 & .6 & 23.2 & .6 & 45.9 & .6 & 7.5 \\ .8 & 9.0 & .8 & 6.1 & .8 & 23.6 & .8 & 46.5 & .8 & 7.5 \\ 51. & 8.7 & 61. & 6.4 & 71. & 24.0 & 81. & 47.0 & 91. & 7.5 \\ \end{bmatrix} $	75.7 76.4 77.0 77.6 78.2
	76.4 77.0 77.6 78.2
$egin{array}{ c c c c c c c c c c c c c c c c c c c$	77.0 77.6 78.2
51.   8.7   61.   6.4   71.   24.0   81.   47.0   91.   7	77.6 78.2
2 84 2 67 2 244 2 476 2 7	78.2
	70 0
	78.8
.6   7.9   .6   7.4   .6   25.1   .6   48.7   .6   7	79.4
	80.0
52. 7.3 62. 8.0 72. 25.9 82. 49.8 92. 8	30.6
	31.2
	31.8
$oxed{ \begin{array}{c c c c c c c c c c c c c c c c c c c $	32.3
8 6.1 .8 9.4 .8 27.5 .8 52.0 .8 8	32.9
	33.5
	34.1
$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	34.6
	35.2
.8 4.7 .8 11.1 .8 29.6 .8 54.8 .8 8	35.7
	36.3
	36.8
	37.4
	37.9
	88.5
	89.0
	89.5 90.1
	00.6
	0.0 - 0.0
	1.7
	2.2
	2.7
$\begin{bmatrix} 1 & .6 & .5 & .6 & 15.8 \end{bmatrix} \begin{bmatrix} .6 & 35.7 \end{bmatrix} \begin{bmatrix} .6 & 63.5 \end{bmatrix} \begin{bmatrix} .6 & 9.5 \end{bmatrix}$	3.2
	3.7
	4.2
	4.7
	5.2
$\parallel .6 \parallel 1.0 \parallel .6 \parallel 17.6 \parallel .6 \parallel 38.1 \parallel .6 \parallel 66.8 \parallel .6 \parallel 99.1 \parallel$	5.6
.8   1.3   .8   18.0   .8   38.6   .8   67.4   .8   90	6.1
58.   1.6   68.   18.4   78.   39.1   88.   68.1   98.   90	6.6
.2   1.9   .2   18.8   .2   39.6   .2   68.7   .2   9	7.1
$      \cdot 4       2.2       \cdot 4     19.1       \cdot 4     40.1       \cdot 4     69.4     \cdot 4     97.1                                      $	7.6
.6   2.6   .6   19.5   .6   40.6   .6   70.0   .6   98	8.0
$oxed{  }$ .8	8.5
$\parallel$ 59. $\parallel$ 3.2 $\parallel$ 69. $\parallel$ 20.2 $\parallel$ 79. $\parallel$ 41.6 $\parallel$ 89. $\parallel$ 71.3 $\parallel$ 99. $\parallel$ 99	9.0
$\begin{vmatrix} & .2 & 3.5 &   & .2 & 20.6 &   & .2 & 42.1 &   & .2 & 71.9 &   & .2 & 99$	9.4
$\begin{vmatrix} \cdot 4 & 3.8 & \cdot 4 & 21.0 & \cdot 4 & 42.7 & \cdot 4 & 72.6 & \cdot 4 & 99.6 \end{vmatrix}$	9.9
$\begin{vmatrix} -6 & 4.2 & .6 & 21.3 & .6 & 43.2 & .6 & 73.2 & .6 \end{vmatrix}$	
.5 4.5 .8 21.7 .8 43.8 .8 73.9 .8 -	
60. 4.8 70. 22.1 80. 44.3 90. 74.5 100. —	

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## TEMPERATURE 69°.

1									
Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
on	over	on	over	on	over	on	over	on on	over
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
0.	64.8	10.	55.9		46.2	20	35.3		23.1
.2	64.6	.2	55.7	20.	46.0	30.	35.1	40.	22.8
.4	64.4	.4	55.5	•4	45.8	.4	34.8	.4	22.6
.6	64.3	.6	55.4	.6	45.5	.6	34.6	.6	22.3
.8	64.1	.8	55.2	.8	45.3	.8	34.3	.8	22.1
I.	63.9	11.	55.0	21.	45.1	31.	34.1	41.	21.8
.2	63.7	.2	54.8	.2	44.9	.2	33.9	.2	21.6
-4	63.6	-4	54.6	-4	44.7	•4	33.7	•4	21.3
.6	63.4	.6	54.5	.6	44.5	.6	33.4	.6	21.1
.8	63.3	.8	54.3	.8	44.3	.8	33.2	.8	20.8 20.6
2.	63.1 $62.9$	12.	54.1 53.9	22.	44.1 43.9	32.	33.0 32.8	42.	20.8
.2	62.7	.2	53.7	.2	43.7	.2	32.5	.2	20.3
.6.	62.6	.6	53.5	.6	43.4	.6	32.3	.6	19.8
.8	62.4	.8	53.3	.8	43.2	.8	32.0	.8	19.6
3.	62.2	13.	53.1	23.	43.0	33.	31.8	43.	19.3
.2	62.0	.2	52.9	.2	42.8	.2	31.6	.2	19.0
.4	61.9	.4	52.7	-4	42.6	.4	31.3	.4	18.8
.6	61.7	.6	52.6	.6	42.3	.6	31.1	.6	18.5
.8	61.6	.8	52.4	.8	42.1	.8	30.8	.8	18.3
4.	61.4	14.	52.2	24.	41.9	34.	30.6	44.	18.0
.2	61.2	.2	52.0	.2	41.7	.2	30.4	.2	17.7
•4	61.0	•4	51.8	-4	41.5	•4	30.1	•4	17.4 17.2
.6	$60.9 \\ 60.7$	.6	51.6	.6	41.3	.6	29.9 29.6	.6	16.9
.8	60.5	8.	51.4 51.2	.8	40.9	.8	29.4	.8	16.6
5.	60.3	15.	51.0	25. .2	40.7	35.	29.2	45.	16.3
.4	60.1	.4	50.8	.4	40.5	.4	28.9	.4	16.1
.6	60.0	.6	50.6	.6	40.2	.6	28.7	.6	15.8
.8	59.8	.8	50.4	.8	40.0	.8	28.4	.8	15.6
6.	59.6	16.	50.2	26.	39.8	36.	28.2	46.	15.3
.2	59.4	.2	50.0	.2	39.6	.2	27.9	.2	15.0
-4	59.2	.4	49.8	•4	39.3	•4	27.7	1 .4	14.7
.6	59.1	.6	49.6	.6	39.1	.6	27.4	.6	14.5
.8	58.9	.8	49.4	.8	38.8	.8	27.2 26.9	.8	14.2 13.9
7.	58.7	17.	49.2	27.	38.6	37.	26.7	47.	13.6
.2	58.5 58.3	.2	48.8	.2	38.2	.2	26.4	.4	13.3
.6	58.2	.4	48.6	.6	37.9	.6	26.2	.6	13.1
.8	58.0	.8	48.4	.8	37.7	.8	25.9	.8	12.8
8.	57.8	18.	48.2	28.	37.5	38.	25.7	48.	12.5
.2	57.6	.2	48.0	.2	37.3	.2	25.4	.2	12.2
.4	57.4	.4	47.8	.4	37.1	•4	25.2	.4	11.9
.6	57.3	1 .6	47.6	.6	36.8	.6	24.9	.6	11.7
.8	57.1	.8	47.4	.8	36.6	.8	24.7	.8	11.4
9.	56.9	19.	47.2	29.	36.4	39.	24.4	49.	11.1 10.8
.2	56.7	.2	47.0	.2	36.2	.2	24.1 23.9	.2	10.5
•4	56.5	1.4	46.8	.4	36.0	•4	23.6	.6	10.3
.6	56.3	.6	46.6 46.4	.6	35.5	.6	23.4	8.	10.0
8.	56.1	20.	46.2	30.	35.3	40.	23.1	50.	9.7
10.	00.0	H 20.	10.2	334	100.0				
	1	1)	1	11					

#### TEMPERATURE 69°.

		1			1	11		li .	1
Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per
			Cent.	Divs.	Cent.			Divs.	Cent.
Divs.	Cent.	Divs.				Divs.	Cent.		under
On	Over	on Stem.	under Proof.		under Proof.		under Proof.	on Stem.	Proof.
Stem.	Proof.	Stem.	T. LOOI.	otem.	F 1001.	Stem.	I 1001.	Stem.	r root.
	9.7	60.	5.2	70.	22.5	80.	44.8	90.	74.7
50.	9.4	.2	5.5	.2	22.9	.2	45.3	.2	75.3
.2	9.1	.4	5.8	.4	23.3	-4	45.9	.4	75.9
.4 .6	8.9	.6	6.2	.6	23.6	.6	46.4	.6	76.6
.8	8.6	.8	6.5	.8	24.0	.8	47.0	.8	77.2
51.	8.3	61.	6.8	71.	24.4	81.	47.5	91.	77.8
.2	8.0	.2	7.1	.2	24.8	.2	48.1	.2	78.4
.4	7.7	.4	7.4	.4	25.2	.4	48.7	.4	79.0
.6	7.5	.6	7.8	.6	25.6	.6	49.2	.6	79.6
.8	7.2	.8	8.1	.8	26.0	.8	49.8	.8	80.2
52.	6.9	62.	8.4	72.	26.4	82.	50.4	92.	80.8
.2	6.6	.2	8.7	.2	26.8	.2	50.9	.2	81.4
.4	6.3	•4	9.1	•4	27.2	•4	51.4	.4	82.0
.6	6.0	.6	9.4	.6	27.6	.6	52.0	.6	82.5
.8	5.7	.8	9.8	.8	28.0	.8	52.5	.8	83,1
53.	5.4	63.	10.1	73.	28.4	83.	53.0	93.	83.7
.2	5.1	.2	10.4	.2	28.8	.2	53.5	.2	84.3
.4	4.8	•4	10.7	.4	29.2	.4	54.1	.4	84.8
.6	4.6	.6	11.1	.6	29.6	.6	54.6	.6	85.4
.8	4.3	.8	11.4	.8	30.0	.8	55.2	.8	85.9
54.	4.0	64.	11.7	74.	30.4	84.	55.7	94.	86.5
.2	3.7	.2	12.0	.2	30.8	.2	56.3	.2	87.0
.4	3.4	.4	12.4	•4	31.3	.4	56.9	•4	87.6
.6	3.2	.6	12.7	.6	31.7	.6	57.6	.6	88.1
.8	2.9	.8	13.1	.8	32.2	.8	58.2	.8	88.7
55.	2.6	65.	13.4	75.	32.6	85.	58.8	95.	89.2
.2	2.3	.2	13.7	.2	33.0	.2	59.4	.2	89.7
.4	2.0	.4	14.1	.4	33.5	.4	60.0	.4	90.2
.6	1.7	.6	14.4	.6	33.9	.6	60.7	.6	90.8
.8	1.4	.8	14.8	.8	34.4	.8	61.3	.8	91.3
56.	1.1	66.	15.1	76.	34.8	86.	61.9	96.	91.8
.2	.8	.2	15.5	.2	35.3	.2	62,5	.2	92.3
•4	.5	.4	15.8	.4	35.8	.4	63.2	.4	92.8
.6	.1	.6	16.2	.6	36.2	.6	63.8	.6	93.3
.8	.2	.8	16.5	.8	36.7	.8	64.5	.8	93.8
57.	.5	67.	16.9	77-	37.2	87.	65.1	97.	94.3
.2	.8	.2	17.3	.2	37.7	.2	65.7	.2	94.8
•4	1.1	.4	17.7	•4	38.1	.4	66.4	.4	95.3
.6	1.4	.6	18.0	.6	38.6	.6	67.0	.6	95.7
.8	1.7	.8	18.4	.8	39.0	.8	67.7	.8	96.2
58.	2.0	68.	18.8	78.	39.5	88.	68.3	98.	96.7
.2	2.3	.2	19.2	.2	40.0	.2	68.9	.2	97.2
•4	2.6	- 4	19.5	-4	40.5	.4	69.6	.4	97.7
.6	2.9	.6 1	19.9	.6	41.1	.6	70.2	.6	98.1
.8	3.2	.8	20.2	.8	41.6	.8	70.9	.8	98.6
59.	3.5	69.	20.6	79.	42.1	89.	71.5	99-	99.1
.2	3.8	.2	21.0	.2	42.6	.2	72.1	.2	99.5
.4	4.2	.4	21.4	•4	43.2	-4	72.8		0.001
.6	4.5	.6	21.7	.6	43.7	.6	73.4	.6	
.8	4.9	.8	22.1	.8	44.3	.8	74.1	.8	
60,	5.2	70.	22.5	80.	44.8	90.	74.7	100.	
		3	1		1		- 1		

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# TEMPERATURE 70°.

Wts. &   Per   Divs. on over   Stem.   Proof.   Stem.						1				
Divs. on over   Stem.   Divs. on over   Stem.   Proof.   Stem.   Stem.   Proof.   Proof.   Stem.   Proof.   Proof.   Proof.   Proof.   Proof	7774 0	D	3374 Q.	Dan	3374~ B	Don	Wto b	Pow	Wto A	Par
On Stem.         Over Proof.         Stem.         Over Proof.         Stem.         Proof. Proof.										
Stem.         Proof.         33.3         34.9         40.2         22.8         22.5         34.7         .2         22.25         34.7         .2         22.20         34.9         40.2         22.8         22.0         34.9         40.2         22.8         22.2         22.0         23.4         45.5         .4         45.5         .4         45.2         .6         34.2         .6         22.0         22.8         22.0         22.8         22.2 <th< td=""><td></td><td>_</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>		_								
O.         64.5 (e4.3)         10.         55.6 (e4.3)         20.         45.9 (e4.2)         30.         34.9 (e4.2)         40.         22.8 (e4.3)         22.5 (e4.3)         34.7 (e4.2)         46.2			1 -							
2. 64.3         2. 55.4         2. 45.7         2. 34.7         2. 22.5           4. 64.2         4. 55.2         4. 45.5         4. 34.5         4. 22.3           6. 64.0         6. 55.1         6. 45.2         6. 34.2         6. 22.0           8. 63.9         1. 63.7         11. 54.7         21. 44.8         31. 33.8         41. 21.5           1. 63.7         11. 54.7         21. 44.8         31. 33.8         41. 21.5           2. 63.5         2. 54.5         2. 44.6         2. 33.6         22. 21.2           2. 46.6         33.2         6. 54.2         6. 44.2         6. 44.2         6. 42.2         6. 20.7           8. 63.0         8. 54.0         8. 44.0         8. 32.8         8. 20.5         20.7           8. 62.6         2. 53.6         2. 43.6         2. 32.6         42. 20.2         21.9           4. 62.5         4. 53.4         4. 43.4         4. 33.3         4. 21.0         20.9           3. 62.0         13. 52.8         2. 43.6         2. 32.4         2. 43.6         2. 32.4         2. 19.9           3. 61.5         5. 6. 52.3         6. 42.9         8. 31.7         8. 19.2         2. 19.9           3. 60.0         13. 52.8         23. 42.7	Buenn.	1 1001.	Otenia		DUCIN					
1.   2   64.3	a	64.5	10.	55.6	20.	45.9	30.	34.9	40.	
1.	3 1		1	55.4	.2				.2	22.5
.6         64.0         .6         55.1         .6         45.2         .8         34.0         .8         22.0         8         22.0         8         34.0         .8         22.0         8         22.0         8         34.0         .8         22.0         8         34.0         .8         22.0         8         34.0         .8         24.4         .2         33.6         .2         21.5         2         2.44.6         .2         33.6         .2         21.2         2         2.2         2.3         .6         63.2         .6         54.2         .6         44.2         .6         33.1         .6         20.7         2         8         63.0         .8         54.0         .8         44.0         .8         32.8         .8         20.5         2         23.2         .6         44.2         .6         33.1         .6         20.7         2         44.2         .2         21.0         2         22.0         2         22.0         2         22.0         2         22.0         2         22.0         2         22.0         2         22.0         2         2         22.0         2         2         2         22.0         2	8 3		.4	55.2	.4				11 :	22.3
1.       63.7       11.       54.7       21.       44.8       31.       33.8       41.       21.5       21.5       24.6       2.2       33.6       2.2       21.5       21.2       24.6       2.2       33.6       2.2       21.2       21.2       24.6       2.2       33.6       2.2       21.2       21.2       24.6       33.1       33.8       4.2       21.0       21.2       24.6       24.4       24.4       33.3       3.6       2.2       21.2       21.2       24.6       23.1       2.6       242.5       21.2       21.0       24.6       22.0	.6		.6	55.1	.6					
1.	.8		.8		.8					
1.2	I.		81						18	
1.6								22.0		
.8         63.0         .8         54.0         .8         44.0         .8         32.8         .8         20.5         20.2         10.9         20.2         119.7         40.6         60.2         30.6         60.2         30.8         30.2         30.8         31.7         30.2         31.3         31.7         30.2         31.3         31.5         30.3         31.5         30.3         31.5         40.2         30.3         31.5         40.2         40.2         40.2         40.4         40.2         40.2         40.4         40.2         40.4         40.2         40.4         40.2         40.4         40.2         40.4         40.2         40.4         40.2         40.4         40.2         40.4         40.2 <td></td> <td></td> <td>•4</td> <td></td> <td></td> <td>44.4</td> <td>  •4</td> <td></td> <td></td> <td></td>			•4			44.4	•4			
2.         62.8         12.         53.8         22.         43.8         32.         32.6         42.         20.2           .4         62.5         .4         53.4         .4         43.4         .4         32.2         .19.9           .6         62.3         .6         63.2         .6         43.1         .6         31.9         .6         19.4           .8         62.2         .8         53.0         .8         42.9         .8         31.7         .8         19.2           3.         62.0         13.         52.8         23.         42.7         33.         31.5         43.         18.9           .2         61.8         .2         52.6         .2         42.5         .2         31.3         .5         43.         18.9           .4         61.6         .4         52.4         .4         42.3         .4         31.0         .4         18.4           .6         61.5         .6         52.3         .6         42.0         .6         30.8         .6         18.1           .2         60.9         .2         51.7         .2         41.4         .2         30.1         .2										
2.2         62.6         2.2         53.6         2.2         43.6         2.2         32.4         2.1         19.9           4.6         62.3         6.6         53.2         6.4         43.1         6.6         31.9         6.19.4         19.4           8.6         62.2         8.53.0         8.42.9         8.31.7         8.19.2         3.6         19.4         8.19.2         3.3         31.5         43.19.2         19.9         4.19.4         19.4         4.19.4         4.19.4         4.19.2         4.2.3         3.2         31.3         31.5         4.5         4.5         4.2.3         3.2         31.3         31.5         4.3         18.9         4.2.2         33.3         31.5         4.3         18.9         4.2.2         33.3         31.5         4.3         18.9         4.2.2         31.3         4.3         18.9         4.2.2         31.3         4.3         18.9         4.2.2         31.3         4.3         18.9         4.2.2         31.3         4.3         18.9         4.2.2         31.3         4.3         4.3         18.9         4.2.2         31.3         4.2.2         31.3         4.2.2         31.3         4.2.2         31.3         4.2.2	4.3	69.8	11		11		11		<b>11</b>	
.4         62.5         .4         53.4         .4         43.4         .4         32.2         .4         19.7           .6         62.3         .6         63.2         .6         43.1         .6         31.9         .6         19.4           .8         62.2         .8         53.0         .8         42.9         .8         31.7         .8         19.2           3.         62.0         13.         52.8         23.         42.7         33.         31.5         43.         18.9           .2         61.8         .2         52.6         .2         42.5         .2         31.3         42.1         43.1         18.9           .4         61.6         .6         52.3         .6         42.0         .6         30.8         .6         18.4           .6         61.5         .6         52.3         .6         42.0         .6         30.8         .6         18.1           .8         61.3         .8         52.1         .8         41.8         .8         30.5         .8         17.9           .4         60.7         .4         51.5         .2         41.4         .2         30.1	11		11		11					
.6         62.3         .6         53.2         .6         43.1         .6         31.9         .6         19.4         .8         19.2         3.         62.0         13.         52.8         23.         42.7         33.         31.5         43.         18.9         .8         19.2         33.         31.5         43.         18.9         .8         19.2         33.         31.5         31.5         .8         19.2         18.6         .8         18.9         .8         11.5         .8         18.9         .8         11.8         18.9         .8         11.8         18.9         .8         11.8         18.9         .8         11.8         18.9         .8         11.8         18.9         .8         11.8         18.9         .8         11.8         18.9         .4         18.1         18.4         18.4         18.4         18.4         18.4         18.4         18.2         18.4         19.2         18.4							11	32.2	11	19.7
.8         62.2         .8         53.0         .8         42.9         .8         31.7         .8         19.2           3.         61.8         .2         52.8         23.         42.5         .2         31.5         43.1         18.9           .4         61.6         .4         52.4         .4         42.5         .2         31.3         .2         18.6           .8         61.3         .8         52.1         .8         41.8         .8         30.5         .8         17.9           4.         61.1         14.         51.9         24.         41.6         34.         30.3         44.17.9           .2         60.9         .2         51.7         .2         41.4         .2         30.1         .2         17.3           .4         60.7         .4         51.5         .4         41.2         .4         29.8         .4         17.1           .6         60.6         .6         51.4         .6         41.0         .6         29.6         .6         16.8           .8         50.2         15.         51.0         25.         40.6         35.         29.1         45.         16.0		62.3	.6	53.2				31.9	.6	19.4
3,         62.0         13.         52.8         23.         42.7         33.         31.5         43.         18.9           .4         61.6         .4         52.4         .4         42.5         .2         31.3         .2         18.6           .6         61.5         .6         52.3         .6         42.0         .6         30.8         .6         18.1           .8         61.3         .8         52.1         .8         41.8         .8         30.5         .8         17.9           .4         61.1         14.         51.9         24.         41.6         34.         30.3         44.         17.6           .6         60.6         .6         51.7         .2         41.4         .2         30.1         .2         17.8           .6         60.6         .6         51.4         .6         41.0         .6         29.6         .6         16.8           .8         60.4         .8         51.2         .8         40.8         .8         29.3         .8         16.6           .8         60.4         .8         50.2         .4         40.2         .4         28.6         .4		62.2				42.9			.8	19.2
3.2         61.8         3.2         52.6         3.2         42.5         31.3         31.0         31	11		11	52.8	23.			31.5		18.9
.6         61.5         .6         52.3         .6         42.0         .6         30.8         .6         18.1           .8         61.3         .8         52.1         .8         41.8         .8         30.5         .8         17.9           .4         60.1         .2         51.7         .2         41.4         .2         30.1         .2         17.3           .4         60.7         .4         51.5         .4         41.2         .4         29.8         .4         17.6         660.6         .6         51.4         .6         41.0         .6         29.6         .4         17.1         .6         60.6         .6         51.4         .6         41.0         .6         29.6         .8         16.8         .8         16.8         .8         29.3         .4         17.1         .6         16.8         .8         29.3         .4         17.1         .6         16.8         .8         29.3         .4         17.1         .6         16.8         .8         29.3         .4         17.1         .6         16.8         .8         29.3         .2         29.1         .2         18.6         .2         .9         .1		61.8		52.6	.2	42.5	.2	31.3	31	18.6
.8         61.3         .8         52.1         .8         41.8         .8         30.5         .8         17.9           .2         60.9         .2         51.7         .2         41.4         .2         30.1         .2         17.6           .6         60.6         .6         51.4         .6         41.0         .4         29.8         .4         17.1           .6         60.6         .6         51.4         .6         41.0         .6         29.6         .6         16.8           .8         60.4         .8         51.2         .8         40.8         .8         29.3         .8         16.6           .6         60.2         15.         51.0         25.         40.6         35.         29.1         45.         16.8           .6         59.7         .6         50.4         .6         39.9         .6         28.4         .6         15.5           .8         59.5         .8         50.2         .8         39.7         .8         28.1         .8         15.2           .6         59.3         16.         50.0         .2         39.3         .2         27.6         .2 <t< td=""><td>.4</td><td></td><td>•4</td><td>52.4</td><td>•4</td><td></td><td></td><td></td><td></td><td>18.4</td></t<>	.4		•4	52.4	•4					18.4
4.       61.1 d.       14.       51.9 d.       24.       41.6 d.       34.       30.3 d.       44. d.       17.6 d.         1. 4       60.7 d.       .4 d.       51.5 d.       .2 d.       41.4 d.       .2 d.       30.1 d.       .2 d.       17.6 d.         1. 6       60.6 d.       .6 d.       51.4 d.       .6 d.       41.0 d.       .6 d.       29.6 d.       .6 d.       16.6 d.       .6 d.       17.1 d.       .6 d.       18.1 d.       .2 d. </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>17.0</td>										17.0
4. 60.7       4. 60.7       4. 51.5       4. 41.4       42.8       42.8       417.1         6. 60.6       6. 60.6       6. 51.4       6. 41.0       6. 29.6       6. 16.8         8. 60.4       8. 51.2       8. 40.8       8. 29.3       8. 16.6         5. 60.2       15. 51.0       25. 40.6       35. 29.1       45. 16.3         6. 59.7       6. 59.4       40.6       35. 29.1       45. 16.0         8. 59.5       8. 50.2       8. 39.7       8. 28.4       6. 15.5         6. 59.3       16. 50.0       26. 39.9       8. 28.1       8. 15.2         6. 59.3       16. 50.0       26. 39.3       27. 27.6       46. 14.9         1.4 58.9       49.4       49.6       49.6       49.6       49.4       27. 27.6       414.4         8. 58.8       6. 49.4       8. 38.5       26.9       8. 13.9         7. 58.4       17. 49.0       27. 38.3       37. 26.6       47. 13.6         8. 57.7       8. 48.1       8. 37.4       8. 25.6       8. 12.5         8. 57.5       18. 47.9       28. 37.2       38. 25.4       48. 12.2         18. 57.7       18. 47.9       28. 37.2       38. 36.3       38. 25.6       48. 12.2	.8		14	52.1	11		11		13	
.2       60.7       .4       51.5       .4       41.2       .4       29.8       .4       17.1         .6       60.6       .6       51.4       .6       41.0       .6       29.6       .6       16.8         .8       60.4       .8       51.2       .8       40.8       .8       29.3       .8       16.6         .2       60.0       .2       50.8       .4       40.4       .2       28.9       .2       16.0         .4       59.8       .4       50.6       .4       40.2       .4       28.6       .4       15.7         .8       59.7       .6       50.4       .6       39.9       .6       28.4       .4       15.7         .8       59.3       16.       50.0       .8       39.7       .8       28.1       .8       15.2         .6       58.8       .6       49.4       .6       38.8       27.9       .46.       14.9         .4       58.9       .4       49.6       .4       39.0       .4       27.4       .6       14.0         .8       58.6       .8       49.2       .8       38.5       .8       26.9       <			11		11					17.0
.4         60.6         .6         51.4         .6         41.0         .6         29.6         .6         16.8           .8         60.4         .8         51.2         .8         40.8         .8         29.3         .6         16.6           .2         60.0         .2         50.8         .2         40.4         .2         28.9         .2         16.0           .4         59.8         .4         50.6         .4         40.2         .4         28.6         .4         15.7           .6         59.7         .6         50.4         .6         39.9         .6         28.4         .6         15.5           .8         59.5         .8         50.2         .8         39.7         .8         28.1         .6         15.5           .8         59.5         .8         50.2         .8         39.7         .8         28.1         .8         15.2           .6         58.8         .6         49.8         .2         39.3         .2         27.6         .4         14.9           .4         58.9         .4         49.6         .4         39.0         .4         27.4         .6         14.	* 1		11		13	41.4	11		H	17.1
.8         60.4         .8         51.2         .8         40.8         .8         29.3         .8         16.6           5.         60.2         15.         51.0         25.         40.6         35.         29.1         45.         16.3           .4         59.8         .4         50.6         .4         40.2         .4         28.6         .4         15.7           .8         59.5         .8         50.2         .8         39.7         .8         28.1         .6         15.7           .8         59.5         .8         50.2         .8         39.7         .8         28.1         .6         15.5           .8         59.1         .2         49.8         .2         39.3         .2         27.6         .2         14.6           .4         58.9         .4         49.6         .6         38.8         .6         27.1         .6         14.1           .8         58.6         .8         49.2         .8         38.5         .8         26.9         .8         13.9           7.         58.8         .6         49.4         .6         38.8         .2         .6         14.1 <td< td=""><td></td><td></td><td>1 .4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>			1 .4							
5.         60.2         15.         51.0         25.         40.6         35.         29.1         45.         16.3         16.0           .4         59.8         .4         50.6         .4         40.2         .4         28.9         .4         15.7         16.0           .6         59.7         .6         50.4         .6         39.9         .6         28.4         .6         15.7           .8         59.5         .8         50.2         .8         39.7         .8         28.1         .8         15.2           6.         59.3         16.         50.0         26.         39.5         .8         28.1         .8         15.2           6.         59.1         .2         49.8         .2         39.3         .8         27.9         46.         14.9           .4         58.9         .4         49.6         .4         39.0         .4         27.4         .4         14.4           .8         58.6         .8         49.2         .8         38.5         .8         26.9         .8         13.9           7.         58.4         17.         49.0         27.         38.3         .2										16.6
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	11							29.1	11	16.3
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$						40.4				
$ \begin{bmatrix} .6 & 59.7 \\ .8 & 59.5 \\ 6. & 59.3 \\ .2 & 59.1 \\ .4 & 58.9 \\ .8 & 58.6 \\ .8 & 58.2 \\ .2 & 58.2 \\ .2 & 58.2 \\ .4 & 58.0 \\ .8 & 57.7 \\ .8 & 57.5 \\ .8 & 57.5 \\ .8 & 57.5 \\ .8 & 56.6 \\ .8 & 57.0 \\ .8 & 56.6 \\ .8 & 56.6 \\ .8 & 47.1 \\ .6 & 57.0 \\ .6 & 56.0 \\ .8 & 56.6 \\ .8 & 46.1 \\ .8 & 56.2 \\ .2 & 56.4 \\ .8 & 57.8 \\ .8 & 57.5 \\ .2 & 56.4 \\ .8 & 56.6 \\ .8 & 44.1 \\ .8 & 56.8 \\ .8 & 44.1 \\ .8 & 56.8 \\ .8 & 47.1 \\ .8 & 56.8 \\ .8 & 56.8 \\ .8 & 46.1 \\ .8 & 56.8 \\ .8 & 56.8 \\ .8 & 46.1 \\ .8 & 56.8 \\ .8 & 56.8 \\ .8 & 46.1 \\ .8 & 56.8 \\ .$			11				•4			
6.       59.3       16.       50.0       26.       39.5       36.       27.9       46.       14.9         4       58.9       .4       49.6       .4       39.0       .4       27.4       .4       14.6         .6       58.8       .6       49.4       .6       38.8       .6       27.1       .6       14.1         .8       58.6       .8       49.2       .8       38.5       .8       26.9       .8       13.9         7.       58.4       17.       49.0       .2       38.3       37.       26.6       47.       13.6         .2       58.2       .2       48.8       .2       38.1       .2       26.4       .2       13.3         .4       58.0       .4       48.6       .4       37.9       .4       26.1       .4       13.0         .6       57.9       .6       48.3       .6       37.6       .6       25.9       .8       12.8         .8       57.5       .8       48.1       .8       37.2       38.       25.4       48.       12.5         .4       57.1       .4       47.5       .4       36.8       .2		59.7	.6		.6					15.5
$ \begin{bmatrix} 0. & 59.1 & 2 & 49.8 & 2 & 39.3 & 2 & 27.6 & 2 & 14.6 \\ 4.58.9 & 4.4 & 49.6 & 6 & 38.8 & 6 & 27.1 & 6 & 14.1 \\ .6 & 58.8 & .6 & 49.4 & .6 & 38.8 & .8 & 26.9 & .8 & 13.9 \\ 7. & 58.4 & 17. & 49.0 & 27. & 38.3 & 37. & 26.6 & 47. & 13.6 \\ .2 & 58.2 & .2 & 48.8 & .2 & 38.1 & .2 & 26.1 & .4 & 13.0 \\ .4 & 58.0 & .4 & 48.6 & .4 & 37.9 & .4 & 26.1 & .4 & 13.0 \\ .6 & 57.9 & .6 & 48.3 & .6 & 37.6 & .8 & 25.9 & .6 & 12.8 \\ .8 & 57.5 & 18. & 47.9 & 28. & 37.2 & 38. & 25.4 & 48. & 12.2 \\ .2 & 57.3 & .2 & 47.7 & .2 & 37.0 & .2 & 25.1 & .2 & 11.9 \\ .4 & 57.1 & .4 & 47.5 & .6 & 36.5 & .6 & 24.6 & .6 & 11.4 \\ .6 & 57.0 & .6 & 47.3 & .8 & 36.3 & .8 & 24.4 & .8 & 11.1 \\ .8 & 56.8 & .8 & 47.1 & .8 & 36.3 & .8 & 24.4 & .8 & 11.1 \\ .9 & 56.6 & 19. & 46.9 & 29. & 36.1 & 39. & 24.1 & 49. & 10.8 \\ .2 & 56.4 & .2 & 46.7 & .2 & 35.9 & .2 & 23.8 & .2 & 10.5 \\ .4 & 56.2 & .4 & 46.5 & .6 & 35.4 & .6 & 23.3 & .6 & 10.0 \\ .8 & 55.8 & .8 & 46.1 & .8 & 35.1 & .8 & 23.9 & .8 & 9.7 \\ .4 & 56.9 & .6 & 46.3 & .6 & 35.4 & .6 & 23.3 & .6 & 10.0 \\ .8 & 55.8 & .8 & 46.1 & .8 & 35.1 & .8 & 23.9 & .8 & 9.7 \\ .4 & 56.9 & .6 & 46.3 & .8 & 35.1 & .8 & 23.9 & .8 & 9.7 \\ .4 & 56.9 & .6 & 46.3 & .8 & 35.1 & .8 & 23.9 & .8 & 9.7 \\ .4 & 56.9 & .6 & 46.3 & .8 & 35.1 & .8 & 23.8 & .8 & 9.7 \\ .4 & 56.9 & .6 & 46.3 & .8 & 35.1 & .8 & 23.8 & .8 & 9.7 \\ .4 & 56.9 & .6 & 46.3 & .8 & 35.1 & .8 & 23.8 & .8 & 9.7 \\ .4 & 56.9 & .6 & 46.3 & .8 & 35.1 & .8 & 23.8 & .8 & 9.7 \\ .4 & 56.9 & .6 & 46.3 & .8 & 35.1 & .8 & 23.8 & .8 & 9.7 \\ .4 & 56.9 & .6 & 46.3 & .8 & 35.1 & .8 & 23.8 & .8 & 9.7 \\ .4 & 56.9 & .4 & 46.5 & .6 & 35.4 & .8 & 23.6 & .4 & 10.2 \\ .4 & 56.9 & .4 & 46.5 & .6 & 35.4 & .8 & 23.6 & .4 & 10.2 \\ .4 & 56.9 & .4 & 46.5 & .6 & 35.4 & .8 & 23.6 & .4 & 10.2 \\ .4 & 56.9 & .4 & 46.5 & .6 & 35.4 & .8 & 23.6 & .4 & 10.2 \\ .4 & 56.9 & .4 & 46.5 & .6 & 35.4 & .8 & 23.6 & .4 & 10.2 \\ .4 & 56.9 & .4 & 46.5 & .8 & 35.1 & .8 & 23.8 & .8 & 9.7 \\ .4 & 56.9 & .4 & 46.5 & .8 & 35.1 & .8 & 23.8 & .8 & 9.7 \\ .4 & 56.9 & .4 & 46.5 & .8 & 35.1 & .8 & 23.8 & .8 & .8 & .8 \\ .4 & 56$		59.5							.8	
$ \begin{bmatrix} .2 & 58.9 \\ .6 & 58.8 \\ .8 & 58.6 \\ .8 & 58.6 \\ .2 & 49.6 \\ .8 & 58.6 \\ .8 & 49.2 \\ .2 & 58.2 \\ .4 & 58.0 \\ .6 & 57.9 \\ .8 & 57.7 \\ .8 & 57.5 \\ .8 & 57.5 \\ .2 & 47.7 \\ .4 & 47.5 \\ .6 & 57.0 \\ .6 & 57.0 \\ .8 & 56.8 \\ .8 & 56.8 \\ .8 & 47.1 \\ .8 & 56.8 \\ .8 & 56.8 \\ .8 & 46.1 \\ .8 & 55.8 \\ .8 & 55.8 \\ .8 & 56.8 \\ .$	6.		16.		31			27.0		14.0
$ \begin{bmatrix} .4 & 58.8 & .6 & 49.4 \\ .8 & 58.6 & .8 & 49.2 \\ 7. & 58.4 & 17. & 49.0 \\ .2 & 58.2 & .2 & 48.8 & .2 & 38.1 \\ .4 & 58.0 & .4 & 48.6 \\ .8 & 57.7 & .8 & 48.1 \\ 8. & 57.5 & 18. & 47.9 \\ .2 & 57.3 & .2 & 47.7 \\ .4 & 57.1 & .4 & 47.5 \\ .6 & 57.0 & .6 & 47.3 \\ .8 & 56.8 & .8 & 47.1 \\ .8 & 56.8 & .8 & 46.1 \\ \end{bmatrix} \begin{bmatrix} .4 & 49.4 & .6 & 38.8 \\ .8 & 38.5 & .6 & 27.1 \\ .8 & 26.9 & 37.2 \\ .2 & 26.6 & 22.1 \\ .2 & 26.1 & .4 & 13.0 \\ .2 & 25.9 & .6 & 12.8 \\ .2 & 25.4 & 38. & 25.4 \\ .2 & 25.1 & .2 & 11.9 \\ .4 & 24.9 & .4 & 11.6 \\ .6 & 57.0 & .6 & 47.3 \\ .8 & 36.8 & .8 & 24.4 \\ .8 & 36.3 & .8 & 24.4 \\ .8 & 36.3 & .8 & 24.4 \\ .8 & 36.3 & .8 & 24.4 \\ .8 & 36.3 & .8 & 24.1 \\ .8 & 36.3 & .8 & 24.1 \\ .8 & 36.3 & .8 & 24.1 \\ .8 & 36.3 & .8 & 24.1 \\ .8 & 36.3 & .8 & 24.1 \\ .8 & 36.3 & .8 & 24.1 \\ .8 & 36.3 & .8 & 24.1 \\ .8 & 36.3 & .8 & 24.4 \\ .8 & 11.1 \\ .8 & 36.3 & .8 & 24.4 \\ .8 & 11.1 \\ .8 & 36.3 & .8 & 24.4 \\ .8 & 11.1 \\ .8 & 36.3 & .8 & 24.1 \\ .8 & 36.3 & .8 & 25.6 \\ .8 & 37.2 & .2 & 25.1 \\ .8 & 37.2 & .2 & 25.1 \\ .8 &$			31		11		11		1	
.8         58.6         .8         49.2         .8         38.5         .8         20.9         .8         13.9           7.         58.4         17.         49.0         27.         38.3         37.         26.6         47.         13.6           2.         58.2         .2         48.8         .2         38.1         .2         26.4         .2         13.3           .4         58.0         .4         48.6         .4         37.9         .4         26.1         .4         13.0           .6         57.9         .6         48.3         .6         37.6         .6         25.9         .6         12.8           .8         57.7         .8         48.1         .8         37.4         .8         25.6         .8         12.5           8.         57.5         18.         47.9         .2         37.0         .2         25.1         .2         11.9           .4         57.1         .4         47.5         .4         36.8         .4         24.9         .4         11.6           .6         57.0         .6         47.3         .8         36.3         .8         24.4         .8 <t< td=""><td></td><td></td><td>•4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>			•4							
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$							8			
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$			- 11		13					13.6
$ \begin{bmatrix} .2 & 58.0 \\ .4 & 58.0 \\ .6 & 57.9 \\ .8 & 57.7 \\ .8 & 57.5 \\ .2 & 57.3 \\ .4 & 55.0 \\ .6 & 57.0 \\ .6 & 57.0 \\ .6 & 57.0 \\ .6 & 57.0 \\ .8 & 56.8 \\ .$		58.9		48.8				1 .3/4 &	.2	13.3
$ \begin{bmatrix} .4 & 57.9 & .6 & 48.3 & .6 & 37.6 & .6 & 25.9 & .6 & 12.8 \\ .8 & 57.7 & .8 & 48.1 & .8 & 37.4 & .8 & 25.6 \\ .8 & 57.5 & 18. & 47.9 & .2 & 37.0 & .2 & 25.1 \\ .2 & 57.3 & .2 & 47.7 & .4 & 36.8 & .4 & 24.9 & .4 & 11.6 \\ .6 & 57.0 & .6 & 47.3 & .8 & 36.3 & .8 & 24.4 & .8 & 11.1 \\ .8 & 56.8 & .8 & 47.1 & .8 & 36.3 & .8 & 24.4 & .8 & 11.1 \\ .9 & 56.6 & 19 & 46.9 & .2 & 35.9 & .2 & 23.8 & .2 & 10.5 \\ .2 & 56.4 & .2 & 46.7 & .4 & 35.6 & .4 & 23.6 & .4 & 10.2 \\ .4 & 56.2 & .4 & 46.5 & .6 & 35.4 & .6 & 23.3 & .6 & 10.0 \\ .8 & 55.8 & .8 & 46.1 & .8 & 35.1 & .8 & 23.1 & .8 & 29.9 \\ .8 & 55.8 & .8 & 46.1 & .8 & 35.1 & .8 & 23.8 & .8 & 9.7 \\ .9 & 56.0 & .6 & 46.3 & .8 & 35.1 & .8 & 23.8 & .6 & 10.0 \\ .8 & 55.8 & .8 & 46.1 & .8 & 35.1 & .8 & 23.8 & .8 & 9.7 \\ .9 & 56.0 & .6 & .6 & .6 & .6 & .8 & .8 & .8 & .8$						37.9	21	26.1	1 .4	
$ \begin{bmatrix} .8 & 57.7 & .8 & 48.1 \\ 8. & 57.5 & 18. & 47.9 \\ .2 & 57.3 & .2 & 47.7 \\ .4 & 57.1 & .4 & 47.5 \\ .8 & 56.8 & .8 & 47.1 \\ 9. & 56.6 & 19. & 46.9 \\ .2 & 56.4 & .4 & 56.2 \\ .6 & 56.0 & .6 & 46.3 \\ .8 & 55.8 & .8 & 46.1 \\ \end{bmatrix} \begin{bmatrix} .8 & 37.4 & .8 & 25.0 \\ 28. & 37.2 & 38. & 25.4 \\ .2 & 37.0 & .2 & 25.1 \\ .4 & 36.8 & .2 & 24.9 \\ .4 & 24.9 & .4 & 11.6 \\ .6 & 24.6 & .6 & 24.6 \\ .8 & 36.3 & .8 & 24.4 \\ .8 & 11.1 \\ .9. & 23.6 & .2 & 23.8 \\ .4 & 23.6 & .4 & 10.2 \\ .6 & 56.0 & .6 & 46.3 & .6 & 35.4 \\ .8 & 35.1 & .8 & 23.8 & .6 \\ .8 & 23.8 & .8 & 24.1 \\ .4 & 56.2 & .4 & 46.5 & .4 & 35.6 \\ .6 & 56.0 & .6 & 46.3 & .6 & 35.4 \\ .8 & 55.8 & .8 & 46.1 & .8 & 35.1 \\ .8 & 23.8 & .8 & 23.8 \\ \end{bmatrix} \begin{bmatrix} .8 & 25.0 \\ .25.1 & .2 & 11.9 \\ .4 & 11.6 & .6 & 11.4 \\ .8 & 11.1 & .8 & 11.1 \\ .9. & 23.6 & .4 & 23.6 \\ .6 & 23.3 & .6 & 10.0 \\ .8 & 23.8 & .8 & 46.1 \\ \end{bmatrix}$		57.9	6		1 .6	37.6	.6	25.9		12.8
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$		57.7	.8	48.1	.8	37.4			11 0	
$ \begin{bmatrix}                                   $				47.9		37.2	75		11	12.2
$ \begin{bmatrix} .4 & 57.0 \\ .8 & 56.8 \\ .8 & 47.1 \\ 9. & 56.6 \\ .2 & 56.4 \\ .4 & 56.2 \\ .6 & 56.0 \\ .8 & 55.8 \\ \end{bmatrix} \begin{bmatrix} .4 & 47.3 \\ .4 & 36.5 \\ .2 & 46.7 \\ .4 & 35.6 \\ .6 & 36.5 \\ .8 & 36.3$			11	47.7	11		18		11	11.9
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$							.4			
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$				47.3	0.6		0.0			
9.     36.6     19.     20.5     29.     35.9     2 23.8     2 10.5       .4     56.2     .4     46.5     .4     35.6     .4     23.6     .4     10.2       .6     56.0     .6     46.3     .6     35.4     .6     23.3     .6     10.0       .8     55.8     .8     46.1     .8     35.1     .8     23.1     .8     9.7		56.8					34		1.	
.4   56.2   .4   46.5   .4   35.6   .4   23.6   .4   10.2   .6   56.0   .6   46.3   .6   35.4   .6   23.3   .6   10.0   .8   55.8   .8   46.1   .8   35.1   .8   23.1   .8   9.7			- 11					00.0		
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	11		- 11		11	0 = 0	11	00 0		
8 55.8 8 46.1 8 35.1 8 23.1 8 9.7							.6			
10.0					.8			23, 1		9.7
			- 11		13	34.9			50.	9.4
	10.	1			1	1	1	1	1	1

## TEMPERATURE 70°.

1										
п		_ 1						-		
и	Wts. &		Wts. &		Wts. &		Wts. &		Wts. &	Per
И	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
п	on	over	on	under	on	under	on	under	on	under
Ш	Stem.	Proof.		Proof.	Stem.	Proof.		Proof.	Stem	Proof.
Ш	Ottin.	2 20021	000000						Decin.	11001.
Ш		9.4	60.	5.6	70	22.9	80.	45,3		75.0
Н	50.				70.				90.	70.0
П	.2	9.1	.2	5.9	.2	23.3	.2	45.8	.2	75.6
П	.4	8.8	.4	6.2	-4	23.7	•4	46.4	•4	76.2
Ш	.6	8.6	.6	6.6	.0	24.0	.6	46.9	.6	76.8
Ш	.8	8.3	.8	6.9	.8	24.4	.8	47.5	.8	77.4
Н	51.	8.0	61.	7.2	71.	24.8	81.	48.0	91.	78.0
П	.2	7.7	.2	7.5	.2	25.2	.2	48.6	.2	78.6
и		7.4	•4	7.8	•4	25 6	.4	49.1		79.2
Ш	•4	7.2	.6	8.2	•4	26.0	.6	49.7	1 .4	70.7
П	.6			0.4	.6	20.0			.6	79.7
П	.8	6.9	.8	8.5	.8	26.4	.8	50.2	.8	80.3
1	52.	6.6	62.	8.8	72.	26.8	82.	50.8	92.	80.9
1	.2	6.3	.2	9.1	.2	27.2	.2	51.3	.2	81.5
	.4	6.0	.4	9.4	•4	27.6	•4	51.8	.4	82.1
	.6	5.7	.6	9.8	.6	28.0	.6	52.4	.6	82.6
	.8	5.4	.8	10.1	.8	28.4	.8	52.9	.8	83.2
		5.1		10.4		28.8	82	53.4		
И	53-		63.	10.4	73.	20.0	83.	00.4x	93-	83.8
И	.2	4.8	.2	10.7	,2	29.2	.2	53.9	,2	84.4
И	.4	4.5	•4	11.1	•4	29,6	•4	54.5	.4	84.9
П	.6	4.2	.6	11.4	.6	30.1	.6	55,0	.6	85.5
Ш	.8	3.9	.8	11.8	.8	30.5	.8	55.6	.8	86,0
ш	54.	3,6	64.	12.1	74.	30.9	84.	56.1	94.	86.6
п	.2	3.3	.2	12.4	.2	31.3	.2	56 7	.2	87.1
И		3.0		12.8		31.7		57 2	1 3	
П	•4	2.8	.4	12.0	-4	01.4	٠4	57.3	•4	87.7
Ш	.6	4.0	.6	13.1	.6	32.2	.6	57.9	,6	88,2
Ш	.8	2.5	.8	13.5	.8	32.6	.8	58.5	.8	88,8
П	55.	2.2	65.	13.8	75.	33.0	85.	59.1	95.	89.3
Ш	.2	1.9	.2	14.1	.2	33.5	.2	59.7	.2	89,8
Ш	.4	1.6	•4	14.5	.4	33.9	•4	60.3	.4	90,3
Ш	.6	1.3	.6	14.8	$\vec{.6}$	34.4	.6	61.0	.6	90.9
П	.8	1.0	.8	15.2	.8	34.8	.8	61.6		
Ш		.7		15.5					.8	91.4
И	56.		66.		76.	35.3	86.	62.2	96.	91.9
И	.2	.4	.2	15.9	.2	35.8	,2	62.8	2	92.4
N	.4	.1	• 4	16.2	-4	36.2	.4	63.5	.4	92.9
	.6	.3	.6	16.6	.6	36.7	.6	64.1	,6	93.4
	.8	.6	.8	16.9	.8	37.1	.8	64.8	.8	93.9
	57.	.9	67.	17.3	77.	37.6	87.	65.4	97.	94.4
	.2	1.2	.2	17.7	.2	38.1	.2	66.0	.2	94.9
		1.5		18.1		38.6		66.7		
	•4		.4		•4		-4	66.7	1 .4	95.4
	.6	1.8	.6	18.4	.6	39.0	.6	67.3	.6	95.9
	.s	2,1	.8	18.8	.8	39.5	.8	68.0		96.4
	58.	2.4	68.	19.2	78.	40.0	88.	68.6	98.	96.9
	.2	2.7	.2	19.6	.2	40.5	.2	69.2	.2	97.4
	•4	3.0	.4	20.0	•4	41.0	.4	69.8		97.8
	.6	3.3	.6	20.3	.6	41.5	.6	70.5	.4 .6	98.3
	.8	3.6	.8	20.7						
					.8	42.0	8.	71.1	.8	98.7
1	59.	3.9	69.	21.1	79-	42.5	89.	71.7	99.	99.2
1	.2	4.2	.2	21.5	.2	43.1	.2	72.4	.2	99.6
	.4	4.6	.4	21.8	.4	43.6	•4	73.0	.4	
	.6	4.9	.6	22.2	.6	44.2	.6	73.7	.6	
	.8	5.3	.8	22.5	.8	44.7	.8	74.3	.8	
il	60.	5.6	70.	22.9	80,	45.3	90.	75.0	100.	
		1				2010	, , ,	10.0		
11			11						1	

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#### TEMPERATURE 71°.

Wts. & Per Divs. on Stem.         Wts. & Per Cent. on Stem.         Wts. & Per Divs. on over Stem.         Wts. & Per Divs. on over Stem.         Wts. & Per Divs. on over Stem.         Proof.         Wts. & Per Divs. on over Stem.         Proof.           0.         64.3         10.         55.4         20.         45.6           .4         64.0         .4         55.0         .4         45.2           .6         63.8         .6         54.9         .6         45.0           .8         63.7         .8         54.7         .8         44.8           1.         63.5         11.         54.5         21.         44.6           .2         63.3         .2         54.3         .2         44.4           .4         63.1         .4         54.1         .4         44.2           .6         63.0         .6         54.0         .6         43.9           .8         62.8         .8         53.8         .8         43.7           2.         62.6         12.         53.6         22.         43.5           2.         62.4         .2         53.4         .2         43.5           2.         62.6         12.         53.4	Divs. Cent. on over Stem. Proof. S	Wts. & Per Divs. Cent. on over Stem. Proof.
Divs. on Stem.         Cent. over Proof.         Divs. over Stem.         Divs. over Proof.         Cent. over Stem.         Divs. over Proof.         Cent. over Stem.         Cent. over Proof.           0.         64.3         10.         55.4         20.         45.6           .2         64.1         .2         55.2         .2         45.4           .4         64.0         .4         55.0         .4         45.2           .6         63.8         .6         54.9         .6         45.0           .8         63.7         .8         54.7         .8         44.6           .2         63.3         .2         54.3         .2         44.4           .2         63.3         .4         54.1         .4         44.2           .6         63.0         .6         54.0         .6         43.9           .8         62.8         .8         53.8         .8         43.7           2.         62.6         12.         53.6         22.         43.5           .2         62.4         .2         53.4         .2         43.5           .2         62.2         .4         53.2         .4         43.1 <tr< th=""><th>Divs. Cent. over Stem. Proof. S</th><th>Divs. Cent. on over</th></tr<>	Divs. Cent. over Stem. Proof. S	Divs. Cent. on over
on Stem.         over Proof.         of Stem.         over Proof.         on Stem.         over Ats.         of Stem.         over Ats.         of Stem.         over Ats.         of Stem.         over Ats.         over Ats.         of Stem.         over Ats.         other Ats.         of Stem.         over Ats.         other Ats.         oth	on over Proof. 3 30. 34.6	on over
0.         64.3         10.         55.4         20.         45.6           .2         64.1         .2         55.2         .2         45.4           .4         64.0         .4         55.0         .4         45.2           .6         63.8         .6         54.9         .6         45.0           .8         63.7         .8         54.7         .8         44.8           1.         63.5         11.         54.5         21.         44.6           .2         63.3         .2         54.3         .2         44.4           .6         63.0         .6         54.0         .6         43.9           .8         62.8         .8         53.8         .8         43.7           2.         62.6         12.         53.6         22.         43.5           .2         62.4         .2         53.4         .2         43.3           .4         62.3         .4         53.2         .4         43.1           .6         62.1         .6         53.0         .6         42.8           .8         62.0         .8         52.8         .8         42.6	30. 34.6	Stem. Proof.
.2       64.1       .2       55.2       .2       45.4         .4       64.0       .4       55.0       .4       45.2         .6       63.8       .6       54.9       .6       45.0         .8       63.7       .8       54.7       .8       44.8         1.       63.5       11.       54.5       21.       44.6         .2       63.3       .2       54.3       .2       44.4         .4       63.1       .4       54.1       .4       44.2         .6       63.0       .6       54.0       .6       43.9         .8       62.8       .8       53.8       .8       43.7         2.       62.6       12.       53.6       22.       43.5         2.       62.4       .2       53.4       .2       43.5         2.       62.4       .2       53.4       .2       43.1         .6       62.1       .6       53.0       .6       42.8         .8       62.0       .8       52.8       .8       42.6         3.       61.6       .2       52.4       .2       42.2         4 <td< th=""><th>30. 34.6</th><th></th></td<>	30. 34.6	
.2       64.1       .2       55.2       .2       45.4         .4       64.0       .4       55.0       .4       45.2         .6       63.8       .6       54.9       .6       45.0         .8       63.7       .8       54.7       .8       44.8         1.       63.5       11.       54.5       21.       44.6         .2       63.3       .2       54.3       .2       44.4         .4       63.1       .4       54.1       .4       44.2         .6       63.0       .6       54.0       .6       43.9         .8       62.8       .8       53.8       .8       43.7         2.       62.6       12.       53.6       22.       43.5         2.       62.4       .2       53.4       .2       43.5         2.       62.4       .2       53.4       .2       43.1         .6       62.1       .6       53.0       .6       42.8         .8       62.0       .8       52.8       .8       42.6         3.       61.6       .2       52.4       .2       42.2         4 <td< th=""><th>30. 54.0</th><th>40. 22.5</th></td<>	30. 54.0	40. 22.5
.4       64.0       .4       55.0       .4       45.2         .6       63.8       .6       54.9       .6       45.0         .8       63.7       .8       54.7       .8       44.8         1.       63.5       11.       54.5       21.       44.6         .2       63.3       .2       54.3       .2       44.4         .4       63.1       .4       54.1       .4       44.2         .6       63.0       .6       54.0       .6       43.9         .8       62.8       .8       53.8       .8       43.7         2.       62.6       12.       53.6       22.       43.5         2.       62.4       .2       53.4       .2       43.5         2.       62.4       .2       53.4       .2       43.5         3.       6.6       62.1       .6       53.0       .6       42.8         3.       61.8       13.       52.6       23.       42.4         4.       61.4       .4       52.2       .4       42.0         6.       61.3       .6       52.1       .6       41.8	.2 34.4	40. 22.5 22.2
.6         63.8         .6         54.9         .6         45.0           .8         63.7         .8         54.7         .8         44.8           1.         63.5         11.         54.5         21.         44.6           .2         63.3         .2         54.3         .2         44.4           .4         63.1         .4         54.1         .4         44.2           .6         63.0         .6         54.0         .6         43.9           .8         62.8         .8         53.8         .8         43.7           2.         62.6         12.         53.6         22.         43.5           .2         62.4         .2         53.4         .2         43.5           .2         62.4         .2         53.4         .2         43.5           .4         62.3         .4         53.2         .4         43.1           .6         62.1         .6         53.0         .6         42.8           .8         62.0         .8         52.8         .8         42.6           .3         61.6         .2         52.4         .2         42.2	.4 34.2	.4 22.0
.8     63.7     .8     54.7     .8     44.8       1.     63.5     11.     54.5     21.     44.6       .2     63.3     .2     54.3     .2     44.4       .6     63.0     .6     54.0     .6     43.9       .8     62.8     .8     53.8     .8     43.7       2.     62.6     12.     53.6     22.     43.5       .2     62.4     .2     53.4     .2     43.3       .4     62.3     .4     53.2     .4     43.1       .6     62.1     .6     53.0     .6     42.8       .8     62.0     .8     52.8     .8     42.6       3.     61.8     13.     52.6     23.     42.4       .2     61.6     .2     52.4     .2     42.2       .4     61.4     .4     52.2     .4     42.0       .8     61.1     .8     51.9     .8     41.6       .8     60.7     .2     51.5     .2     41.2       .4     60.5     .4     51.3     .4     41.0	.6 33.9	.6 21.7
.2       63.3       .2       54.3       .2       44.4         .4       63.1       .4       54.1       .4       44.2         .6       63.0       .6       54.0       .6       43.9         .8       62.8       .8       53.8       .8       43.7         2.       62.6       12.       53.6       22.       43.5         .2       62.4       .2       53.4       .2       43.3         .4       62.3       .4       53.2       .4       43.1         .6       62.1       .6       53.0       .6       42.8         .8       62.0       .8       52.8       .8       42.6         3.       61.8       13.       52.6       23.       42.4         .2       61.6       .2       52.4       .2       42.2         .4       61.4       .4       52.2       .4       42.0         .8       61.1       .8       51.9       .8       41.6         .4       60.9       14.       51.7       24.       41.4         .2       60.7       .2       51.5       .4       41.0	.8   33.7	.8 21.5
.4     63.1     .4     54.1     .4     44.2       .6     63.0     .6     54.0     .6     43.9       .8     62.8     .8     53.8     .8     43.7       2.     62.6     12.     53.6     22.     43.5       .4     62.3     .4     53.2     .4     43.1       .6     62.1     .6     53.0     .6     42.8       .8     62.0     .8     52.8     .8     42.6       3.     61.8     13.     52.6     23.     42.4       .2     61.6     .2     52.4     .2     42.2       .4     61.4     .4     52.2     .4     42.0       .8     61.1     .8     51.9     .8     41.6       .8     60.7     .2     51.5     .2     41.4       .2     60.7     .4     51.3     .4     41.0		41.
.6       63.0       .6       54.0       .6       43.9         .8       62.8       .8       53.8       .8       43.7         2.       62.6       12.       53.6       22.       43.5         .4       62.3       .4       53.2       .4       43.1         .6       62.1       .6       53.0       .6       42.8         .8       62.0       .8       52.8       .8       42.6         3.       61.8       13.       52.6       23.       42.4         .2       61.6       .2       52.4       .2       42.2         .4       61.4       .4       52.2       .4       42.0         .8       61.1       .8       51.9       .8       41.6         .8       60.7       .2       51.5       .2       41.4         .2       60.7       .4       51.3       .4       41.0	.2 .33.3	.2   20.9 .4   20.7
.8     62.8     .8     53.8     .8     43.7       .2     62.4     .2     53.6     .2     43.5       .4     62.3     .4     53.2     .4     43.1       .6     62.1     .6     53.0     .6     42.8       .8     62.0     .8     52.8     .8     42.6       3.     61.8     13.     52.6     23.     42.4       .2     61.6     .2     52.4     .2     42.2       .4     61.4     .4     52.2     .4     42.0       .6     61.3     .6     52.1     .6     41.8       .8     61.1     .8     51.9     .8     41.6       4.     60.9     14.     51.7     24.     41.4       .2     60.7     .2     51.5     .2     41.2       .4     60.5     .4     51.3     .4     41.0	.4 33.0 .6 32.8	$\begin{array}{c c} .4 & 20.7 \\ .6 & 20.4 \end{array}$
2.     62.6     12.     53.6     22.     43.5       .4     62.3     .4     53.2     .4     43.1       .6     62.1     .6     53.0     .6     42.8       .8     62.0     .8     52.8     .8     42.6       3.     61.8     13.     52.6     23.     42.4       .2     61.6     .2     52.4     .2     42.2       .4     61.4     .4     52.2     .4     42.0       .8     61.1     .8     51.9     .8     41.6       .8     60.7     .2     51.5     .2     41.4       .2     60.7     .4     51.3     .4     41.0	8 32.5	.8 20.2
.2     62.4     .2     53.4     .2     43.3       .4     62.3     .4     53.2     .4     43.1       .6     62.1     .6     53.0     .6     42.8       .8     62.0     .8     52.8     .8     42.6       3.     61.8     13.     52.6     23.     42.4       .2     61.6     .2     52.4     .2     42.2       .4     61.4     .4     52.2     .4     42.0       .8     61.1     .8     51.9     .8     41.6       4.     60.9     14.     51.7     24.     41.4       4.     60.7     .2     51.5     .2     41.2       4.     60.5     .4     51.3     .4     41.0	32. 32.3	42. 19.9
.4     62.3     .4     53.2     .4     43.1       .6     62.1     .6     53.0     .6     42.8       .8     62.0     .8     52.8     .8     42.6       3.     61.8     13.     52.6     23.     42.4       .2     61.6     .2     52.4     .2     42.2       .4     61.4     .4     52.2     .4     42.0       .6     61.3     .6     52.1     .6     41.8       .8     61.1     .8     51.9     .8     41.6       4.     60.9     14.     51.7     24.     41.4       4.     60.7     .2     51.5     .2     41.2       4.     60.5     .4     51.3     .4     41.0	.2   32.1	.2   19.6
.6     62.1     .6     53.0     .6     42.8       .8     62.0     .8     52.8     .8     42.6       3.     61.8     13.     52.6     23.     42.4       .2     61.6     .2     52.4     .2     42.2       .4     61.4     .4     52.2     .4     42.0       .6     61.3     .6     52.1     .6     41.8       .8     61.1     .8     51.9     .8     41.6       4.     60.9     14.     51.7     24.     41.4       .2     60.7     .2     51.5     .2     41.2       .4     60.5     .4     51.3     .4     41.0	.4   31.8	.4 19.4
$ \begin{bmatrix} 3 & 61.8 \\ .2 & 61.6 \\ .4 & 61.4 \\ .6 & 61.3 \\ .8 & 61.1 \\ 4 & 60.9 \\ .2 & 60.7 \\ .4 & 60.5 \end{bmatrix} \begin{bmatrix} 13 & 52.6 \\ .2 & 52.4 \\ .4 & 52.2 \\ .6 & 52.1 \\ .8 & 51.9 \\ .2 & 51.5 \\ .4 & 51.3 \end{bmatrix} \begin{bmatrix} 23 & 42.4 \\ 42.2 \\ .4 & 42.0 \\ .6 & 41.8 \\ .8 & 41.6 \\ .4 & 41.4 \\ .4 & 41.2 \\ .4 & 41.2 \end{bmatrix} $	.6   31.6   .8   31.3	.6   19.1 .8   18.9
$ \begin{array}{ c c c c c c c c c } \hline & .2 & 61.6 & .2 & 52.4 & .2 & 42.2 \\ .4 & 61.4 & .4 & 52.2 & .4 & 42.0 \\ .6 & 61.3 & .6 & 52.1 & .6 & 41.8 \\ .8 & 61.1 & .8 & 51.9 & .8 & 41.6 \\ 4. & 60.9 & 14. & 51.7 & 24. & 41.4 \\ .2 & 60.7 & .2 & 51.5 & .2 & 41.2 \\ .4 & 60.5 & .4 & 51.3 & .4 & 41.0 \\ \hline \end{array} $		43. 18.6
1     .4     61.4     .4     52.2     .4     42.0       .6     61.3     .6     52.1     .6     41.8       .8     61.1     .8     51.9     .8     41.6       4.     60.9     14.     51.7     24.     41.4       .2     60.7     .2     51.5     .2     41.2       .4     60.5     .4     51.3     .4     41.0	33. 31.1 30.9	18.3
1	.4   30.6	.4 18.1
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	.6   30.4	.6   17.8
$\begin{bmatrix} 1 & 1 & 2 & 60.7 & .2 & 51.5 & .2 & 41.2 \\ 4 & 60.5 & .4 & 51.3 & .4 & 41.0 \end{bmatrix}$	.8   30.1	.8   17.6   17.3
4 60 5 4 51.3 4 41.0	34. 29.9 29.7	44.   17.3   17.0
4 60.5 .4 51.5 .4 21.0	.4 29.4	.4   16.8
6 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	.6 29.2	.6   16.5
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	.8 28.9	.8   16.3
5.   60.0   15.   50.7   25.   40.3	35. 28.7	45. 16.0
.2   59.8   .2   50.5   .2   40.1	.2 28.5 .4 28.2	.2 15.7 .4 15.4
.4 59.6 .4 50.3 .4 39.9 .6 59.5 .6 50.1 .6 39.6	.4   28.2 .6   28.0	.6 15.2
.6   59.5   .6   50.1   .6   39.6   .8   59.3   .8   49.9   .8   39.4	8 27.7	.8   14.9
6. 59.1 16. 49.7 26. 39.2	36. 27.5	46. 14.6
.2   58.9   .2   49.5   .2   39.0	.2   27.2	.2   14.3
1 4 58.7 4 49.3 4 38.7	.4   27.0	.4 14.0 .6 13.8
6 58.6 .6 49.1 .6 38.5	.6   26.7     .8   26.5	.6   13.8 .8   13.5
8 58.4 8 48.9 8 38.2 7. 58.2 17. 48.7 27. 38.0	37. 26.2	47. 13.2
7. 58.2 17. 48.7 27. 38.0 37.8 37.8	.2 26.0	.2   12.9
	.4 25.7	.4 12.6
1 2 mm m 1 6 1 40 1 1 6 1 27 2	.6 25.5	$\begin{array}{c c} .6 & 12.4 \\ .8 & 12.1 \end{array}$
8 57.5 8 47.9 8 37.1 8 57.3 78 47.7 28 36.9	.8 25.2 38. 25.0	.8   12.1 48.   11.8
0. 07.0 10. 17.7 20. 26.7	38. 25.0 24.7	.2 11.5
1 200	.4 24.5	.4   11.2
6 56.8 6 47.0 6 36.2	.6 24.2	.6   11.0
8 56.6 8 46.8 8 36.0	.8 24.0	.8 10.7
9.   56.4   19.   46.6   29.   35.8	39. 23.7	49. 10.4
$\begin{bmatrix} 2 & 56.2 & .2 & 46.4 & .2 & 35.6 \\ 56.0 & .4 & 46.2 & .4 & 35.3 \end{bmatrix}$	.2 23.5 .4 23.2	.4 9.8
	.6 23.0	.6 9.6
.6   55.8   .6   46.0   .6   35.1   .8   55.6   .8   45.8   .8   34.8	.8 22.7	.8 9.3
10. 55.4 20. 45.6 30. 34.6		
	40. 22.5	50. 9.0

## TEMPERATURE 71°.

1									
	20	TITL	D	3371 0	D	XXZ	D	777	D
Wts. &		Wts. &		Wts. &		Wts. &		Wts. &	
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
on	over	on	under	on	under	on	under	on	under
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem	Proof.
50.	9.0	60.	6.0	70.	23.3	80.	45.8	90.	75.2
.2	8.7	.2	6.3	.2	23.7	.2	46.3	.2	75.8
-4	8.4	•4	6.6	.4	24.1	•4	46.9	•4	76.4
.6	8.2	.6	7.0	.6	24.4	.6	47.4	.6	77.0
.8	7.9	.8	7.3	.8	24.8	.8	48.0	.8	77.6
51.	7.6	61.	7.6	71.	25.2	81.	48.5	91.	78.2
.2	7.3	.2	7.9	.2	25.6	.2	49.0	.2	78.8
.4	7.0	.4	8.2		26.0	.4	49.6	.4	79.4
.6	6.8	.6	8.6	.4 .6	26.4	.6	50.1	.6	79.9
.8	6.5	.8	8.9	9.	26.8	.8	50.7	.8	
	6.2		0.0	.8	27.2	82.			80.5
52.	5.9	62.	9.2	72.			51.2	92.	81.1
.2		.2	9.5	.2	27.6	.2	51.7	.2	81.7
.4 .6	5.6	.4	9.8	.4	28.0	•4	52.2	•4	82.3
0.6	5.4	.6	10.2	.6	28.4	.6	52.8	.6	82.8
.8	5.1	.8	10.5	.8	28.8	8.	53.3	.8	83.4
53.	4.8	63.	10.8	73.	29.2	83.	53.8	93.	84.0
.2	4.5	.2	11.1	.2	29.6	.2	54.3	.2	84.6
.4	4.2	-4	11.5	.4	30.0	.4	54.9	.4	85.1
.6	3.9	.6	11.8	.6	30.5	.6	55.4	.6	85.7
.8	3.6	.8	12.2	.8	30.9	.8	56.0	.8	86.2
54.	3.3	64.	12.5	74.	31.3	84.	56.5	94.	86.8
.2	3.0	.2	12.8	.2	31.7	.2	57.1	.2	87.3
•4	2.7	.4	13.2	.4	32.2	.4	57.7	.4	87.9
.6	2.4	.6	13.5	.6	32.6	.6	58.3	.6	88.4
.8	2.1	.8	13.9	.8	33.1	.8	58.9	.8	89.0
55.	1.8	65.	14.2		33.5	85.			
35.	1.5		14.2	75.			59.5	95.	89.5
	1.5	.2		.2	34.0	.2	60.1	.2	90.0
•4	1.2	•4	14.9	.4	34.4	.4	60.7	•4	90.5
.6	.9	.6	15.3	.6	34.9	.6	61.4	.6	91.0
.8	.6	.8	15.6	.8	35.3	8.8	62.0	.8	91.5
56.	.3	66.	16.0	76.	35.8	86.	62.6	96.	92.0
.2		.2	16.4	.2	36.3	.2	63.2	.2	92.5
1 -4	.3	•4	16.7	.4	36.7	.4	63.8	•4	93.0
.6	.6	.6	17.1	.6	37.2	.6	64.5	.6	93.5
.8	.9	.8	17.4	.8	37.6	.8	65.1	.8	94.0
57.	1.2	67.	17.8	77.	38.1	87.	65.7	97.	94.5
.2	1.5	.2	18.2	.2	38.6	.2	66.3	.2	95.0
-4	1.8	-4	18.5	.4	39.1	.4	66.9	•4	95.5
·4 .6	2.2	.6	18.9	.6	30.5	.6	67.6	.6	96.0
.8	2.5	.8	19.2	.8.	40.0	.8	68.2	.8	96.5
58.	2.8	68.	19.6	78.	40.5	88.	68.8	98.	
.2	3.1	.2	20.0		41.0	1			97.0
.4	3.4	i i	20.4	.2	41.5	.2	69.4	.2	97.5
.6	3.7	·4 .6	20.7	.4	42.0	•4	70.1	•4	97.9
.8	4.0	.8	21.1	.6		.6	70.7	.6	98.4
	4.3		21.1	.8	42.5	8.	71.4	.8	98.8
59.	4.6	69.		79.	43.0	89.	72.0	99.	99.3
.2		.2	21.9	.2	43.6	.2	72.6	.2	99.7
-4	5.0	•4	22.2	.4	44.1	•4	73.3	•4	
.6	5.3	.6	22.6	.6	44.7	.6	73.9	.6	
.8	5.7	.8	22.9	.8	45.2	.8	74.6	.8	
60.	6.0	70.	23.3	80,	45.8	90.	75.2	100.	

#### TEMPERATURE 72°.

Wts. & Per   Divs. on voer   Stem.   Prof.   Prof.   Stem.   Prof.   Prof.   Stem.   Prof.   Prof.   Stem.   Prof.   Prof.   Prof.   Stem.   Prof.   Prof.   Prof.   Stem.   Prof.	_										
Divs. on over					_	TTT	n 1	XX74. 9-	Dan	3374m P-	Por
On   Stem.   Proof.   Proof											
Stem.         Proof.         33.3         4.4         4.2         21.8         4.4         4.9         4.33.9         4.4         21.6         21.3         4.4         4.7         6.6         33.6         6.6         21.3         4.4         4.9         4.3         33.9         4.4         22.1         21.3         4.4         4.2         21.1         22.3         4.4         4.2         4.3         33.4         4.8         21.1         20.5         4.4         4.3         4.3         32.7         4.4         20.3         4.4         4.3         4.3         32.7         4.4         20.3         4.8         4.2         4.3         4.2         4.9	H	Divs.					Cent.				
O.         64.1   10.         55.2   25.0   2.2   45.3   30.         34.3   40.         22.1   21.6   22.1   33.4   40.         22.1   21.6   22.1   33.4   40.         22.1   21.6   33.6   6.6   21.3   34.3   40.         22.1   21.6   33.6   6.6   21.3   33.6   6.6   21.3   33.6   6.6   21.3   33.6   6.6   21.3   33.6   6.6   21.3   33.6   6.6   21.3   33.6   33.6   6.6   21.3   33.6   33.	Н			on							
0.         63.9         .2         55.0         .2         45.1         .2         34.1         .2         21.8         421.6         .4         44.9         .4         33.9         .4         21.6         .6         .6         .6         .6         .6         .4         44.9         .4         33.9         .4         21.6         .8         .6         .2         .4         .4         .4         .3         .9         .4         21.3         .8         .4         .4         .3         .3         .4         .2         .2         .4         .2         .4         .4         .3         .3         .2         .2         .2         .5         .2         .4         .4         .3         .3         .2         .2         .2         .5         .6         .2         .4         .2         .4         .4         .3         .3         .2         .4         .2         .2         .5         .6         .2         .6         .2         .2         .5         .3         .2         .4         .4         .3         .3         .2         .2         .5         .6         .2         .0         .6         .6         .2         .2	IB	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	F 1001.	Stem.	11001.
0.         63.9         .2         55.0         .2         45.1         .2         34.1         .2         21.8         421.6         .4         44.9         .4         33.9         .4         21.6         .6         .6         .6         .6         .6         .4         44.9         .4         33.9         .4         21.6         .8         .6         .2         .4         .4         .4         .3         .9         .4         21.3         .8         .4         .4         .3         .3         .4         .2         .2         .4         .2         .4         .4         .3         .3         .2         .2         .2         .5         .2         .4         .4         .3         .3         .2         .2         .2         .5         .6         .2         .4         .2         .4         .4         .3         .3         .2         .4         .2         .2         .5         .6         .2         .6         .2         .2         .5         .3         .2         .4         .4         .3         .3         .2         .2         .5         .6         .2         .0         .6         .6         .2         .2	-				FF 0		45.9		212	10	99 1
	Н	0.		1 :							
1.4	П	.2						S .			
1.	Н	.4	63.7								
1.       63.2       11.       54.2       21.       44.3       31.       33.2       41.       20.5         4       62.9       .4       53.8       .4       48.9       .4       32.7       .4       20.3       .6       20.0       .4       20.3       .4       20.3       .6       20.0       .6       20.0       .6       20.0       .6       20.0       .6       20.0       .6       20.0       .6       20.0       .6       20.0       .8       19.8       32.2       .2       .8       19.8       .8       19.5       .8       19.8       .8       19.5       .8       19.8       .8       19.5       .2       19.2       .4       19.0       .6       20.0       .8       19.5       .8       19.2       .4       19.0       .6       20.0       .4       19.0       .6       19.0       .6       52.7       .6       42.5       .6       31.3       .6       18.7       .8        19.2       .4       19.0       .8       19.2       .4       19.0       .8       18.5       .3       .3       .8       18.5       .4       .9       .2       .19.2       .4       .9       .2       .9<	Ш							0.0			
1,	Ш	.8		.8		5					
1.2	П	I.				l.					
.4   62.7   .6   653.7   .6   43.6   .6   32.5   .6   20.0   .8   53.5   .2   43.4   .8   32.2   .8   19.8   .2   19.5   .2   .2   .2   .2   .2   .3   .3   .2   .2	Н	.2				.1		11	20.7	11	
1.0	11	.4		.4		•4		1 .4			
2.   62.4   12.   53.3   22.   43.2   32.   32.0   31.8   .2   19.5     -2   62.0   .4   52.9   .6   42.5   .6   31.5   .6   19.0     -6   61.9   .6   52.7   .6   42.5   .8   42.3   .8   31.5   .6   18.7     -8   61.7   .8   52.5   .8   42.3   .3   .3   .3   .6   18.7     -8   61.5   13.   52.3   23.   42.1   33.   30.8   43.1   18.2     -2   61.3   .2   52.1   .4   41.7   .6   30.1   .6   17.4     -6   61.0   .6   51.8   .6   41.5   .6   30.1   .6   17.4     -6   61.0   .6   51.8   .6   41.5   .6   30.1   .6   17.4     -6   60.6   14   .5   .4   24   41.1   .8   29.8   .8   17.2     -6   60.6   14   .5   .4   40.7   .4   29.4   .2   16.9     -7   60.6   14   .5   .6   40.4   .6   22.9   .6   44.5     -8   60.6   14   .5   .6   40.4   .2   29.4   .2   16.6     -8   60.9   .8   50.6   .8   40.2   .8   22.8   .8   15.6     -8   8   59.9   .8   50.6   .8   40.2   .8   22.8   .8   15.6     -8   59.0   .8   49.6   .8   39.0   .8   27.7   .6   14.1     -7   57.7   .2   48.2   .2   37.5   .2   25.7   .6   14.3     -7   57.7   .2   48.2   .2   37.5   .2   25.7   .2   25.7   .2   48.0     -8   57.0   18   47.4   28   36.6   38.3   30.8   .3   30.8   .3     -8   57.0   18   47.4   28   36.6   38.3   30.8   .2   17.9     -7   57.9   17   48.4   27   37.7   .2   25.7   .6   14.3     -7   57.7   .2   48.2   .2   37.5   .2   25.7   .3   25.7   .3   25.7   .3   25.7   .3   25.7   .3   25.	Н			,6				0.	90.0		
2.   62.2   .2   53.1   .2   43.0   .2   31.8   .2   19.2	Н	.8		.8		.8		3.4		11	
19.0	Н	2.				i i		32.	32.0		
1.4		.2		1	53.1	11			91.5	11	
		.4		.4				.4			
S				,6	52.7			0.0	31.3		
3.				.8	52.5					1	
1.2   61.3     61.1     61.1     65.1.8     641.5     66   61.0     651.8     641.5     66   630.1     651.8     641.5     66     60.6     651.8     641.5     66     60.6     650.8     641.5     642.4     60.6     650.8     66   650.8     66   60.1     650.8     66   60.1     650.8     66     60.1     650.8     66     60.1     650.8     66     60.1     650.8     66     60.1     650.8     66     60.1     650.8     66     60.1     650.8     66     60.1     650.8     66		3.	61.5		52.3			33.	20.6		17.9
1.4	Н			.2	52.1		41.9	11	20.0	11	17.7
	Ш	.4	61.1	.4	51.9			1 .4			
1.8	Ш	.6	61.0					.0			17 9
4.       60.6 closed (14)       14.       51.4 closed (15)       24.       41.1 closed (16)       34.       29.4 closed (16)       16.6 closed (16) <td>Ш</td> <td>.8</td> <td>60.8</td> <td>.8</td> <td>51.6</td> <td>H</td> <td></td> <td>11</td> <td></td> <td>16</td> <td></td>	Ш	.8	60.8	.8	51.6	H		11		16	
.2       60.4       .2       51.2       .2       40.7       .4       29.1       .4       16.4         .6       69.1       .6       50.8       .6       40.4       .6       28.9       .6       16.1         .8       59.9       .8       50.6       .8       40.2       .8       28.6       .8       15.9         .5       .69.5       .2       50.2       .2       39.8       .4       27.9       .4       15.6       15.6         .6       59.2       .6       49.8       .6       39.3       .6       27.7       .6       14.8       14.6         .8       59.0       .8       49.6       .8       39.0       .8       27.4       .8       14.6         .8       59.0       .8       49.6       .8       39.0       .8       27.4       .8       14.6         .8       59.0       .8       49.6       .8       39.0       .8       27.4       .8       14.6         .8       58.8       16.       49.2       .2       38.6       27.2       26.9       .2       14.0         .2       58.8       1.       49.0       .4	Ш		1 60.6	14.		11 '					
.4       0.0.2       .4       50.8       .6       50.8       .6       40.4       .6       28.9       .6       16.1       15.9         .8       59.9       .8       50.6       .8       40.2       .8       28.6       .8       15.9         .2       69.5       .2       50.2       .2       39.8       .2       28.2       .2       15.6         .4       59.3       .4       49.8       .6       39.3       .4       27.7       .6       15.3         .6       59.2       .8       49.8       .6       39.3       .6       27.7       .6       14.8         .6       59.0       .8       49.4       26       38.8       39.0       .8       27.4       .8       14.6         .6       58.8       16.       49.2       .2       38.6       .8       27.2       46.       14.3         .2       58.6       .2       49.2       .2       38.6       .8       27.2       46.       14.3         .4       58.4       .4       49.0       .4       38.4       .6       38.1       .6       26.7       .6       .8       .13.5	П			.2	51.2	11	40.9	11		18	
6       80.1       .8       50.6       .8       40.2       .8       28.6       .8       15.9         5.       69.7       15.       50.4       25.       39.8       35.       28.4       45.       15.6         .2       69.5       .2       50.2       .2       39.8       .2       28.2       .2       15.3         .4       59.3       .4       50.0       .4       39.5       .4       27.9       .4       15.1         .6       59.3       .6       49.8       .6       39.3       .6       27.7       .6       14.8         .8       59.0       .8       49.6       .8       39.0       .8       27.4       .6       14.8         .8       59.0       .8       49.2       .2       38.6       .27.2       46.       14.3         .2       58.6       .2       49.2       .2       38.6       .27.2       46.1       14.3         .4       58.4       .4       49.0       .4       38.4       .4       26.7       .4       13.7         .5       57.9       17.       2       48.8       .8       37.9       .8       26.2	Ш	.4	i 00.2	.4				1 .4	00 0		
.8         59.9         .8         50.6         .8         40.2         .8         28.4         45.         15.6         15.8         15.6         15.8         15.6         15.8         15.6         15.8         15.6         15.8         15.6         15.8         15.6         15.8         15.6         15.8         15.6         15.8         15.8         15.8         15.8         15.8         15.8         15.8         15.8         15.8 <td>Ш</td> <td>.6</td> <td>09.1</td> <td></td> <td></td> <td></td> <td>40.4</td> <td>9.</td> <td>20.5</td> <td></td> <td></td>	Ш	.6	09.1				40.4	9.	20.5		
5.         69.7         15.         50.2         25.         39.8         35.         28.2         27.9         45.3         15.1         14.8         14.4         15.1         14.8         14.4         15.1         14.8         14.6         14.8         14.6         14.8         14.6         14.8         14.6         14.8         14.6         14.8         14.6         14.8         14.6         14.8         14.6         14.8         14.6         14.8         14.6         14.9         14.8         14.6         14.9	Ш	.8		.8							
1         .2         69.5         .2         50.2         .4         39.5         .4         27.9         .4         15.1         .4         15.1         .6         39.3         .6         27.7         .6         14.8         .4         .6         27.7         .6         14.8         .6         27.7         .6         14.8         .6         27.7         .6         .6         27.7         .6         14.8         .6         27.7         .6         .6         27.7         .6         .6         27.7         .6         .6         27.7         .6         .6         27.4         .8         14.6         .6         27.4         .8         .6         27.4         .8         .8         .2         .2         .6         .8         .8         .2         .2         .6         .2         .4         .6         .2         .2         .2         .4         .2         .2         .2         .2         .4         .2         .2         .3         .2         .2         .2         .4         .2         .2         .2         .2         .2         .2         .2         .2         .2         .2         .2         .2         .2         .2	П							35.			
.4         59.2         .6         49.8         .6         39.3         .6         27.7         .6         14.8         14.8         14.6         14.8	Н			.2		13	00 5	.2		11	
6         59.2         6         49.8         39.8         39.0         38.3         27.4         36.2         14.6         14.3           6.         58.8         16.         49.4         26.         38.8         27.2         46.         14.3           .2         58.6         .2         49.2         .2         38.6         .2         26.9         .4         14.0         .2         14.0         .2         14.0         .4         14.0         .2         14.0         .2         14.0         .2         14.0         .2         14.0         .2         14.0         .2         14.0         .2         14.0         .2         14.0         .2         14.0         .2         14.0         .2         14.0         .2         14.0         .2         14.0         .2         .2         14.0         .2         .2         .2         13.5         .2         .2         .4         .2	Ш	.4	59.3	.4				1 .4	97.7		
.8       \$99.0       .8       49.4       26.       38.8       36.       27.2       46.       14.3         .2       \$8.6       .2       49.2       .2       38.6       .2       26.9       .2       26.9       .2       26.9       .2       14.0       .2       14.0       .2       14.0       .2       14.0       .2       14.0       .2       14.0       .2       26.9       .2       26.9       .2       26.9       .2       26.9       .2       14.0       .2       13.7       .4       26.7       .4       26.7       .4       26.7       .4       26.7       .4       26.7       .4       26.7       .4       26.7       .4       26.7       .4       26.7       .4       26.7       .4       26.7       .6       26.4       .6       13.5       .6       26.4       .6       13.5       .6       26.4       .6       13.5       .8       13.2       .7       .2       25.7       .4       .2       25.7       .2       25.7       .2       12.6       .4       .2       .2       25.7       .4       .2       12.6       .2       .2       .2       .2       .2       .2       .2	Ш	.6		.6			1000	1 .0	97 A		
6.       58.8       16.       49.4       20.       38.6       2 26.9       2 14.0         .4       58.4       .4       49.0       .4       38.4       .6       26.7       .4       13.7         .6       58.3       .6       48.8       .6       38.1       .6       26.9       .4       13.7         .6       57.9       17.       48.4       27.       37.7       37.       25.9       47.       12.9         .2       57.7       .2       48.0       .4       37.3       .4       25.4       .4       12.9         .2       57.7       .4       48.0       .4       37.3       .4       25.4       .4       12.9         .2       57.4       .6       47.8       .6       37.0       .6       25.2       .4       12.9         .8       57.2       .8       47.6       .8       36.8       24.9       .8       11.8         .8       57.0       18.       47.4       28.       36.6       .8       24.7       .8       11.5         .8       56.5       .6       46.7       .8       35.7       .8       23.7       .8       10.7 </td <td>ı</td> <td>.8</td> <td></td> <td>.8</td> <td></td> <td></td> <td></td> <td>.0</td> <td></td> <td>46</td> <td></td>	ı	.8		.8				.0		46	
13.7	ı		\$ 58.8	16.		E]					
.4       58.4       .6       58.3       .6       48.8       .6       38.1       .6       26.4       .6       13.5         .8       68.1       .8       48.6       .8       37.9       37.7       37.2       25.9       47.       12.9         .2       57.7       .2       48.2       .4       37.3       .4       25.4       .4       12.9         .4       57.5       .4       48.0       .4       37.3       .4       25.4       .4       12.9         .6       57.4       .6       47.8       .6       37.0       .6       25.2       .4       12.3         .8       57.2       .8       47.6       .8       36.8       24.9       .8       11.8         .8       57.0       .8       47.4       28.       36.6       .8       24.7       .8       11.8         .2       56.8       .4       47.0       .4       36.2       .4       24.2       .4       10.9         .4       56.5       .6       46.7       .8       35.7       .8       23.7       .8       10.4         .9       56.1       19.       46.3       29.	П	.2	58.6	.2		11	00.4		00 17	11	
$ \begin{bmatrix} .6 & 58.3 \\ .8 & 68.1 \\ 7. & 57.9 \\ .2 & 57.7 \\ .4 & 57.5 \\ .6 & 57.4 \\ .8 & 57.2 \\ .8 & 57.2 \\ .8 & 56.6 \\ .8 & 56.3 \\ .8 & 56.3 \\ .8 & 56.3 \\ .8 & 55.7 \\ .8 & 55.7 \\ .8 & 55.7 \\ .8 & 56.5 \\ .$	Ш	.4	58.4	.4	1		1 3	.4			13.5
$ \begin{bmatrix} .8 & 68.1 \\ 7. & 57.9 \\ .2 & 57.7 \\ .4 & 57.5 \\ .6 & 57.4 \\ .8 & 57.2 \\ .2 & 56.8 \\ .2 & 47.2 \\ .2 & 56.5 \\ .8 & 56.3 \\ .9 & 56.1 \\ .2 & 55.9 \\ .4 & 55.7 \\ .6 & 55.6 \\ .8 & 55.2 \\ .8 & 56.3 \\ .$	И	.6	<b>58.</b> 3	,6	1		1 ~- ~	1 .0	26.3		
$ \begin{bmatrix} 7. & 57.9 \\ .2 & 57.7 \\ .4 & 57.5 \\ .6 & 57.4 \\ .8 & 57.2 \\ .8 & 57.2 \\ .2 & 56.8 \\ .2 & 47.2 \\ .4 & 56.5 \\ .6 & 56.5 \\ .8 & 56.3 \\ .$	1	.8		.8		11			25.9	18	
$ \begin{bmatrix} .2 & 57.7 & .2 & 48.0 & .2 & 37.3 & .4 & 25.4 & .4 & 12.3 \\ .4 & 57.4 & .6 & 47.8 & .6 & 37.0 & .6 & 25.2 & .6 & 12.1 \\ .8 & 57.2 & .8 & 47.6 & .8 & 36.8 & .8 & 24.9 & .8 & 11.8 \\ .2 & 56.8 & .2 & 47.2 & .2 & 36.4 & .2 & 24.4 & .2 & 11.2 \\ .4 & 56.6 & .4 & 47.0 & .4 & 36.2 & .4 & 24.2 & .4 & 10.9 \\ .6 & 56.5 & .6 & 46.7 & .6 & 35.9 & .8 & 23.7 & .8 & 10.4 \\ .8 & 56.3 & .8 & 46.5 & .8 & 35.7 & .8 & 23.7 & .8 & 10.4 \\ .9 & 56.1 & 19 & 46.3 & 29 & 35.5 & 39 & 23.4 & 49 & 10.1 \\ .2 & 55.9 & .4 & 45.9 & .4 & 35.0 & .4 & 22.9 & .6 & 9.3 \\ .4 & 55.7 & .4 & 45.9 & .6 & 34.8 & .8 & 34.5 & .8 & 22.4 & .8 & 9.0 \\ .8 & 55.4 & .8 & 45.5 & .8 & 34.5 & .8 & 22.4 & .8 & 9.0 \\ .8 & 55.4 & .8 & 45.5 & .8 & 34.5 & .8 & 22.4 & .8 & 9.0 \\ .8 & 55.4 & .8 & 45.5 & .8 & 34.5 & .8 & 22.4 & .8 & 9.0 \\ .8 & 56.8 & .8 & 45.5 & .8 & 34.5 & .8 & 22.4 & .8 & 9.0 \\ .8 & 56.8 & .8 & 45.5 & .8 & 34.5 & .8 & 22.4 & .8 & 9.0 \\ .8 & 56.8 & .8 & 45.5 & .8 & 34.5 & .8 & 22.4 & .8 & 9.0 \\ .8 & 56.8 & .8 & 45.5 & .8 & 34.5 & .8 & 22.4 & .8 & 9.0 \\ .8 & 56.8 & .8 & 45.5 & .8 & 34.5 & .8 & 22.4 & .8 & 9.0 \\ .8 & 56.8 & .8 & 45.5 & .8 & 34.5 & .8 & 22.4 & .8 & 9.0 \\ .8 & 56.8 & .8 & .8 & .8 & .8 & .8 & .8 & .8 &$	H	7.	57.9		40.0	- 14	97 5	37.			1 10 0
.4       57.4       .6       57.4       .6       47.8       .6       37.0       .6       25.2       .6       12.1         .8       57.2       .8       47.6       .8       36.8       .8       24.9       .8       11.8         .2       56.6       .2       47.2       .2       36.4       .2       24.4       .2       11.5         .4       56.6       .4       47.0       .4       36.2       .4       24.2       .4       10.9         .6       56.5       .6       46.7       .6       35.9       .6       23.9       .6       10.7         .8       56.1       19.       46.3       29.       35.5       39.       23.4       49.       10.1         .2       55.9       .4       45.7       .6       34.8       .6       22.9       .6       9.3         .4       55.7       .6       45.7       .6       34.8       .6       22.9       .6       9.3         .8       55.6       .6       45.7       .6       34.8       .6       22.9       .6       9.3         .8       55.6       .8       34.5       .8       2	ı	.2	57.7	2	40.0	13	OM O		0 ~ 4	- EI	10.0
1       .6       57.4       .6       47.8       .8       37.0       .8       24.9       .8       .8       11.8         8.       57.0       18.       47.4       28.       36.6       38.       24.7       24.4       48.       11.5         .2       56.8       .2       47.2       .4       36.2       .4       24.4       .2       11.2         .4       56.6       .4       47.0       .4       36.2       .4       24.2       .4       10.9         .6       56.5       .6       46.7       .6       35.9       .8       23.7       .8       10.4         .9       56.1       19.       46.3       29.       35.5       39.       23.4       49.       10.1         .2       55.9       .2       46.1       .2       35.3       .2       23.1       .2       9.8         .4       55.6       .6       45.7       .6       34.8       .6       22.6       .6       9.3         .4       55.6       .6       45.7       .6       34.8       .8       22.4       .8       9.5         .6       55.6       .6       45.7 <t< td=""><td>1</td><td></td><td>17.5</td><td>.4</td><td></td><td></td><td></td><td>.4</td><td></td><td></td><td>1</td></t<>	1		17.5	.4				.4			1
8.     57.0     18.     47.4     28.     36.6     38.     24.7     24.4     48.     11.5       .2     56.8     .56.5     .4     47.0     .4     36.2     .4     24.2     .4     24.2       .6     56.5     .6     46.7     .6     35.9     .8     23.7     .6     23.9     .6     10.7       .8     56.1     19.     46.3     29.     35.5     39.     23.1     .2     31.0       .2     55.9     .4     45.9     .4     35.0     .4     22.9     .8     .4     9.5       .6     55.6     .6     45.7     .6     34.8     .6     22.6     .6     9.3       .8     55.6     .8     45.5     .8     34.5     .8     22.4     .8     9.0       .8     55.6     .8     45.5     .8     34.3     40.     22.1     50.     8.7	1	.6		11 6	47 8	.6		9	24.9		11.8
8.     57.0     18.     47.4     28.     36.4     24.4     24.2     4.2     10.9       .4     56.6     .4     47.2     .4     36.2     .4     24.2     .4     24.2     .4     10.9       .6     56.5     .6     46.7     .6     35.9     .8     23.7     .6     10.7       .8     56.1     19.     46.3     29.     35.5     39.     23.4     49.     10.1       .2     55.9     .2     46.1     .2     35.3     .2     23.1     .2     9.8       .4     55.6     .6     45.7     .6     34.8     .6     22.6     .6     9.3       .8     55.4     .8     45.5     .8     34.5     .8     22.4     .8     9.0       .8     55.6     .6     45.3     .8     34.3     40.     22.1     50.     8.7	1	.8	57.2	.8	47.6				24.5	11 0	11.5
$ \begin{bmatrix} .2 & 56.8 \\ .4 & 56.6 \\ .6 & 56.5 \\ .8 & 56.3 \\ 9. & 56.1 \\ .2 & 55.9 \\ .4 & 55.7 \\ .6 & 55.4 \\ .8 & 56.3 \\ .8 & 56.3 \\ 0.2 & 55.9 \\ .4 & 55.7 \\ .6 & 55.4 \\ .8 & 55.4 \\ .8 & 56.3 \\ .2 & 36.3 \\ .2 & 36.3 \\ .2 & 36.3 \\ .2 & 36.3 \\ .2 & 35.3 \\ .4 & 35.0 \\ .5 & 34.8 \\ .8 & 34.5 \\ $			57.0	18.	47.4	18	00.4	38.		40.	11.2
.4     56.6     .4     47.0     .4     36.2     .4     23.9     .6     10.7       .8     56.3     .8     46.5     .8     35.7     .8     23.7     .6     10.7       .9     56.1     19.     46.3     29.     35.5     39.     23.4     49.     10.1       .2     55.9     .2     46.1     .2     35.3     .2     23.1     .2     9.8       .4     55.7     .4     45.9     .6     34.8     .6     22.6     .6     9.3       .6     55.4     .8     45.5     .8     34.5     .8     22.4     .8     9.0       .8     55.7     .6     45.3     .8     34.3     40.     22.1     50.     8.7	ł	.2		.2		- 1	1 00 0		040		
1     1 <td></td> <td>.4</td> <td></td> <td>.4</td> <td></td> <td></td> <td></td> <td>1 .4</td> <td></td> <td></td> <td></td>		.4		.4				1 .4			
9.   56.1   19.   46.3   29.   35.5   39.   23.4   49.   10.1   9.8   10.5   10		,6		.6		0.6		.0		8	
9.   56.1   19.   46.3   29.   35.3   39.   23.1   1.2   9.8   35.5   4.4   55.7   4.4   45.9   45.7   6   55.6   55.4   8   45.5   8   34.5   8   22.4   8   9.0   8.7   8   55.7   6   45.3   30.   34.3   40.   22.1   50.   8.7		.8			100			- 11			
.2     55.9     .2     45.9     .4     35.0     .4     22.9     .4     9.5       .4     55.6     .6     45.7     .6     34.8     .6     22.6     .6     9.3       .8     55.4     .8     45.5     .8     34.5     .8     22.4     .8     9.0       .8     55.6     45.3     20.34.3     40.2     22.1     50.     8.7		9.			1 40 7	1	0 = 0				1 00
.4 55.7 .4 45.7 .6 34.8 .6 22.6 .6 9.3 .8 55.4 .8 45.5 .8 34.5 .8 22.4 .8 9.0 .8 55.2 .8 45.3 .8 34.3 40. 22.1 50. 8.7		1 -			4 0	14			000		
.6   55.6   .8   45.5   .8   34.5   .8   22.4   .8   9.0   8.7   8.5   2.5   45.3   20.34.3   40.   22.1   50.   8.7		.4		.4							
.8   55.4   .8   45.3   .8   34.3   40.   22.1   50.   8.7	1			.6	45.7		1				
	1	.8		30							
		10.	55.2	20.	40.3	30.	34.3	40.	33.1	3-	
			1	+	1	1		- 4			

## TEMPERATURE 72°.

	-	NITT.	T	3374	D	TTT	n	XXI.	-
Wts. &		Wts. &		Wts. &		Wts. &		Wts. &	
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
on	over	מס	under	on	under	on	under	on	under
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
50.	8.7	60.	6.3	70.	23.7	80.	46.3	90.	75.4
.2	8.4	.2	6.6	.2	24.1	.2	46.8	.2	76.0
-4	8.1	.4	6.9	.4	24,5	.4	47.4	.4	76.6
.6	7.9	.6	7.3	.6	24.8	.6	47.9	.6	77.2
.8	7.6	.8	7.6	.8	25.2	.8	48.5	.8	77.8
	7.3	61.	7.9	71.	25.6	81.	49.0	91.	78.4
51.	7.0	.2	8.2	.2	26.0	.2	49.5	,2	79.0
.2	6.7	1	8.6		26.4		50.0	,	79.6
•4	6.5	.4 .6	8.9	.4	26.8	·4 .6	50.6	•4	80.1
.6			9.3	.6	27.2		51.1	.6	
.8	6.2	.8		.8		.8		.8	80.7
52.	5.9	62.	9.6	72.	27.6	82.	51.6	92.	81.3
.2	5.6	.2	9.9	.2	28.0	.2	52.1	.2	81.9
-4	5.3	-4	10.2	•4	28.4	•4	52.6	-4	82.5
.6	5.0	.6	10.6	.6	28.8	.6	53.2	.6	83.0
.8	4.7	.8	10.9	.8	29.2	.8	53.7	.8	83.6
53.	4.4	63.	11.2	73-	29.6	83.	54.2	93.	84.2
.2	4.1	.2	11.5	.2	30.0	.2	54.7	.2	84.7
	3.8	.4	11.9	٠4	30.4	.4	55.3	•4	85.3
·4 .6	3.6	.6	12.2	.6	30.9	.6	55.8	.6	85.8
.8	3.3	.8	12.6	.8	31.3	.8	56.4	.8	86.4
54.	3.0	64.	12.9	74.	31.7	84.	56.9	94.	86.9
.2	2.7	.2	13.2	.2	32.1	.2	57.5	.2	87.4
	2.4	•4	13.6	: 1	32.6		58.1		88.0
·4 .6	2.1	.6	13.9	•4	33.0	٠4	58.6	•4	
	1.8	.8	14.3	.6		.6		.6	88.5
.8				.8	33.5	.8	59.2	.8	89.1
55.	1.4	65.	14.6	75.	33.9	85.	59.8	95.	89.6
.2	1.2	.2	15.0	.2	34.4	.2	60.4	.2	90.1
•4	.9	•4	15.3	.4	34.8	•4	61.0	•4	90.6
.6	.6	.6	15.7	.6	35.3	.6	61.7	.6	91.2
.8	.3	.8	16.0	.8	35.7	8	62.3	.8	91.7
56.		66.	16.4	76.	36.2	86.	62.9	96.	92.2
.2	.3	.2	16.8	.2	36.7	.2	63.5	.2	92.7
.4	.6	•4	17.1	.4	37.1	.4	64.1	.4	93.2
.6	.9	.6	17.5	.6	37.6	.6	64.8	.6	93.7
.8	1.2	.8	17.8	.8	38.0	.8	65.4	.8	94.2
57•	1.5	67.	18.2	77.	38.5	87.	66.0	97.	94.7
.2	1.8	.2	18.6	.2	39.0	.2	66.6	.2	95.2
	2.2	.4	18.9	.4	39.5	.4	67.2	.4	95.7
.4 .6	2.5	.6	19.3	.6	39.9	.6	67.9	.6	96.1
.8	2.9	.8	19.6	.8	40.4	.8	68.5	.8	96.6
58.	3.2	68.	20.0	m9		88			
	3.5	4 1	20.4	78.	40.9	88.	69.1	98.	97.1
.2	3.8	,2	20.4	.2	41.4	.2	69.7	.2	97.6
•4		•4		•4	41.9	•4	70.3	.4	98.0
.6	4.1	.6	21.1	.6	42.5	.6	71.0	.6	98.5
.8	4.4	.8	21.5	.8	43.0	.8	71.6	.8	98.9
59-	4.7	69.	21.9	79.	43.5	89.	72.2	99.	99.4
.2	5.0	.2	22.3	.2	44.1	.2	72.8	.2	99.8
•4	5.3	.4	22.6	.4	44.6	.4	73.5	.4	
.6	5.7	.6	23.0	.6	45.2	.6	74.1	.6	
.8	6.0	.8	23.3	.8	45.7	.8	74.8	.8	
60.	6.3	70.	23.7	80.	46.3	90.	1	100.	
				1	1				

#### TEMPERATURE 73°.

-							1			
,,	Vts. &	Per	Wts.&	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per
	v ts. & Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
1	on	over	on	over	on	over	on	over	on	over
S	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
-				540		45.0		24.0		01.0
Ш	0.	63.8 63.6	10.	54.9 54.7	20,	45.0 44.8	30.	34.0 33.8	40.	21.8 21.5
	.2	63.4	.2	54.5	•4	44.6	.2	33.6	.4	21.3
	.6	63.3	.6	54.3	.6	44.4	.6	33.3	.6	21.0
	.8	63.1	.8	54.1	.8	44.2	.8	33.1	.8	20.8
	I.	62.9	II.	53.9	21.	44.0	31.	32.9	41.	20.5
	.2	62.7	,2	53.7	.2	43.8 43.6	.2	$\frac{32.7}{32.4}$	.2	$\begin{bmatrix} 20.2 \\ 20.0 \end{bmatrix}$
П	·4 .6	$\begin{array}{c} 62.6 \\ 62.4 \end{array}$	.6	53.5 53.4	.6	43.3	.6	32.2	.6	19.7
ll .	.8	62.3	.8	53.2	.8	43.1	.8	31.9	.8	19.5
Ш	2.	62.1	12.	53.0	22.	42.9	32.	31.7	42.	19.2
	.2	61.9	.2	52.8	.2	42.7	.2	31.5	.2	18.9
	.4	61.7	1 .4	52.6	٠4	42.5	•4	31.2	•4	18.7
	.6	61.6	.6	52.4	.6	42.2 42.0	.6	31.0 30.7	.6	18.4 18.2
	.8	$\begin{array}{c} 61.4 \\ 61.2 \end{array}$	.8	52.2 52.0	.8 23.	42.0	.8	30.5		17.9
	3.	$\begin{array}{c c} 61.2 \\ 61.0 \end{array}$	13.	51.8	.2	41.6	33.	30.3	43.	17.6
11	.4	60.8	.4	51.6	.4	41.4	.4	30.0	.4	17.4
li -	.6	60.7	.6	51.5	.6	41.2	.6	29.8	.6	17.1
ll	.8	60.5	.8	51.3	.8	41.0	.8	29.5	.8	16.9
H	4.	60.3	14.	51.1	24.	40.8	34.	29.3	44.	16.6 16.3
Ħ.	.2	60.1	.2	50.9	.2	40.6	.2	28.8	.2	16.0
ш	.4	59.9 59.8	.6	50.7	.6	40.1	.6	28.6	.6	15.8
Ш	.6 .8	59.6	.8	50.3	.8	39.9	.8	28.3	.8	15.5
Ш	5.	59.4	15.	50.1	25.	39.7	35.	28.1	45.	15.2
Ш	.2	59.2	.2	49.9	.2	39.5	.2	27.8	.2	14.9
	.4	59.0	.4	49.7	•4	39.2	1.4	27.6 27.3	1 .4	14.7
Ш	.6	58.9	.6	49.5	.6	39.0 38.7	.6	27.1	.6	14.2
Ш	.8 <b>6</b> .	58.7 58.5	16.	49.2	26.	38.5	36.	26.8	46.	13.9
Ш	.2	58.3	.2	48.9	.2	38.3	.2	26.6	.2	13.6
	.4	58.1	.4	48.7	•4	38.1	.4	26.3	.4	13.3
	.6	58.0	.6	48.5	,6	37.8	.6	26.1	.6	13.1 12.8
	.8	57.8	.8	48.3	.8	37.6	.8	25.8 25.6	.8	12.5
	7.	57.6	17.	48.1	27.	37.4	37.	25.3	47.	12.2
	.2	57.4 57.2	.4	47.7	.4	37.0	.4	25.1	.4	11.9
	.4 .6	57.1	.6	47.5	.6	36.7	.6	24.8	.6	11.7
	.8	56.9	.8	47.3	.8	36.5	.8	24.6	8.	11.4
	8.	56.7	18.	47.1	28.	36.3	38.	24.3	48.	11.1
	.2	56.5	.2	46.9	.2	36.1	.2	24.1 23.8	.2	10.5
	.4	56.3 56.2	.6	46.7	.6	35.6	.6	23.6	.6	10.3
	.6	56.0	.8	46.2	.8	35.4	8.	23.3	.8	10.0
	9.	55.8	19.	46.0	29.	35.2	39.	23.1	49.	9.7
	.2	55.6	.2	45.8	.2	35.0	.2	22.8	.2	9.4
	•4	55.4	1 .4	45.6	.4	34.7	1 .4	22.6	1 .4	9.1
	.6	55.3	.6	45.4	.6	34.5 34.2	.6	22.3	.6	8.6
	8.	55,1	.8	45.2 45.0	30.	34.0	40.	21.8	50.	8.3
	10.	54.9	20.	30.0	30.	1 2.0	1 40.	1		
		1	11	1	11					

#### TEMPERATURE 73°.

F										
I	XX7. 0	Per	XX74. P.	Per	Wts. &	Per	Wts. &	Dan	Wts. &	D
ı	Wts. &		Wts. &	Cent.	Divs.					
I	Divs.	Cent.	Divs.	under	on	under	Divs.	Cent.	Divs.	Cent.
ı	on	Proof.	on Stem.	Proof.	Stem.	Proof.	on Stem.	Proof.		under
ı	Stem.	I root.	Stem.	T 1001	Stelli.	I 1001.	Stem.	rooi.	Stem.	Proof.
ı		8.3	60.	6.7	70	24.2	80.	46.8	00	75.6
ı	50.	8.0	1	7.0	70.	24.6		47.4	90.	76.2
I	.2	7.7	.2	7.3	.2	25.0	.2	47.9	.2	76.8
ı	.4	7.5	.6	7.7	.6	25.3	.6	48.5	•4 .6	77.4
I	.6 .8	7.2	.8	8.0	.8	25.7	.8	49.0	.8	78.0
H		6.9	61.	8.3	71.	26.1	81.	49.6	91.	78.6
I	51.	6.6	.2	8.6	.2	26.5	.2	50.1	.2	79.2
ı	.2	6.3	•4	9.0	.4	26.9	•4	50.6	.4	79.8
H	·4 .6	6.1	.6	9.3	.6	27.3	.6	51.1	.6	80.3
H	.8	5.8	.8	9.7	.8	27.7	.8	51.6	.8	80.9
ı	52.	5.5	62.	10.0	72.	28.1	82.	52.1	92.	81.5
	.2	5.2	.2	10.3	.2	28.5	.2	52.6	.2	82.1
	.4	4.9	.4	10.6	•4	28.9	•4	53.1	.4	82.6
	.6	4.6	.6	11.0	.6	29.3	.6	53.6	.6	83.2
	.8	4.3	.8	11.3	.8	29.7	.8	54.1	.8	83.7
	53.	4.0	63.	11.6	73.	30.1	83.	54.6	93.	84.3
ı	.2	3.7	.2	11.9	.2	30.5	.2	55.1	.2	84.9
H	.4	3.4	-4	12.3	•4	30.9	.4	55.7	.4	85.4
1	.6	3.2	.6	12.6	.6	31.4	.6	56.2	.6	86.0
	.8	2.9	.8	13.0	.8	31.8	.8	56.8	.8	86.5
ı	54.	2.6	64.	13.3	74.	32.2	84.	57.3	94.	87.1
	.2	2.3	.2	13.6	.2	32.6	.2	57.9	.2	87.6
ı	.4	2.0	.4	14.0	.4	33.1	.4	58.4	.4	88.1
I	.6	1.7	.6	14.3	.6	33.5	.6	59.0	.6	88.7
ı	.8	1.4	.8	14.7	.8	34.0	.8	59.5	.8	89.2
	55.	1.1	65.	15.0	75.	34.4	85.	60.1	95.	89.7
I	.2	.8	.2	15.4	.2	34.9	.2	60.7	.2	90.2
I	-4	.5	•4	15.7	.4	35.3	•4	61.3	.4	90.7
	.6	.2	.6	16.1	.6	35.8	.6	62.0	.6	91.3
I	.8	.1	.8	16.4	.8	36.2	.8	62.6	.8	91.8
H	56.	.4	66.	16.8	76.	36.7	86.	63.2	96.	92.3
П	.2	.7	.2	17.2	.2	37.2	.2	63.8	.2	92.8
	.4	1.0	•4	17.5	•4	37.6	•4	64.4	.4	93.3
	.6	1.3	.6	17.9 18.2	.6	38.1	.6	65,1	.6	93.8
	.8	1.6	.8	18.2	.8	38.5	.8	65.7	.8	94.3
	57.	1.9	67.	19.0	77.	39.0	87.	66.3	97.	94.8
	.2	2.2 2.5	.2	19.0	.2	39.5	.2	66.9	.2	95.3
	.4	2.9	•4	19.5	•4	39.9 40.4	•4	67.5	•4	95.8
	.8	$\frac{2.9}{3.2}$	.6	20.0	.6	40.4	.6	68.2 68.8	.6	96.2
	58.	3.5	.8 68.	20.4	.8	41.3	8.8		.8	96.7
		3.8		20.8	78.	41.8	88.	69.4 70.0	98.	97.2
	.2	4.1	.2	21.2	.2	42.4	.2	70.6	.2	97.7 98.1
	.6	4.5	.4 .6	21.5	.6	42.9	.6	71.3	.6	98.6
	.8	4.8	.8	21.9	.8	43.5	.8	71.9	.8	99.0
	59.	5.1	69.	22.3	79.	44.0	89.	72.5	99.	99.5
	.2	5.4	.2	22.7	.2	44.6	.2	73.1	.2	99.9
	.4	5.7	.4	23, 1	.4	45.1	.4	73.7	•4	
	.6	6.1	.6	23.4	.6	45.7	.6	74.4	.6	
	.8	6.4	.8	23.8	.8	46.2	.8	75.0	.8	
	60.	6.7	70.	24.2	80.	46,8	90.	75.6	100.	
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# TEMPERATURE 74°.

Wts. &	Per	Wts. &	D	13371 0	1000		1 -	1	1 -
				Wts. &		Wts. &		Wts. &	
Divs.		Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
on	over	on	over	on	over	on	over	on	over
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.				Proof
								~ .	1 1002
0.	63.6	10.	54.6	20.	44.7	30.	33.7	10	21.5
.2	63.4	.2	54.4	11	44.5		33.5	40.	
.4	63.2	1	54.2	.2	44.3	.2	00.0	.2	21.2
.6	63.1	1 .4	54.2	1 .4		.4	33.2	.4	21.0
.0		.6	54.1	.6	44.1	.6	33.0	.6	20.7
.8	62.9	.8	53.9	.8	43.9	.8	32.7	.8	20.5
I.	62.7	II.	53.7	21.	43.7	31.	32.5	41.	20.2
.2	62.5	.2	53.5	.2	43.5	.2	32,3	.2	19.9
.4	62.3	•4	53.3	.4	43.3	.4	32.1	.4	19.7
.6	62.2	.6	53.2	.6	43.0	.6	31.8	.6	19.4
.8	62.0	.8	53.0	.8	42.8	.8	31.6	.8	19.2
2.	61.8		52.8		42.6				10.0
	61.6	12.		22.		32.	31.4	42.	18.9
.2	01.0	.2	52.6	.2	42.4	.2	31.2	.2	18.6
1 .4	61.4	•4	52.4	•4	42.2	•4	30.9	•4	18.4
.6	61.3	.6	52.2	.6	41.9	.6	30.7	.6	18.1
.8	61.1	.8	52.0	.8	41.7	.8	30.4	.8	17.9
3.	60.9	13.	51.8	23.	41.5	33.	30.2	43.	17.6
.2	60.7	.2	51.6	.2	41.3	.2	30.0	43.	17.3
.4	60.5	•4	51.4	.4	41.1		29.7		17.1
.6	60.4	.6	51.2	1 .4	40.9	.4	29.5	.4	10.0
.8	60.2			.6		.6	29.0	.6	16.8
		.8	51.0	.8	40.7	.8	29.2	.8	16.6
4.	60.0	14.	50.8	24.	40,5	34.	29.0	44.	16.3
.2	59.8	.2	50.6	.2	40.3	.2	28.8	.2	16.0
.4	59.7	•4	50,4	•4	40.1	-4	28.5	.4	15.7
.6	59 5	.6	50.3	.6	39.8	.6	28.3	.6	15.5
.8	59.4	.8	50.1	.8	39.6	.8	28.0	.8	15.2
5.	59.2	15.	49.9	25.	39.4	35.	27.8		14.9
.2	59.0	.2	49.7	.2	39.2		27.5	45-	14.6
	58.8				20.4	.2	27.0	.2	
•4		•4	49.5	•4	38.9	•4	27.3	٠4	14.4
.6	58.6	.6	49.3	.6	38.7	.6	27.0	.6	14.1
.8	58.4	.8	49.1	.8	38.4	.8	26.8	.8	13.9
6.	58.2	16.	48.9	26.	38.2	36.	26.5	46.	13.6
.2	58.0	.2	48.7	.2	38.0	.2	26.3	.2	13.3
.4	57.8	•4	48.5	.4	37.8	.4	26.0	-4	13.0
.6	57.7	.6	48.2	.6	37.5	.6	25.8	.6	12.8
.8	57.5	.8	48.0	.8	37.3	.8	25.5	.8	12.5
	57.3		47.8				25.3		12.2
7.		17.		27.	37.1	37-			11.0
.2	57.1	.2	47.6	.2	36.9	.2	25.0	.2	11.9
.4	56.9	•4	47.4	•4	36.7	•4	24.8	.4	11.6
.6	56.8	.6	47.1	.6	36.4		24.5		11.4
.8	56.6	.8	46.9	.8	36.2	.8	24.3		11.1
8.	56.4	18.	46.7	28.	36.0	38.	24.0	48.	10.8
.2	56.2	.2	46.5	.2	35.8	.2	23.8	.2	10.5
.4	56.0	.4	46.3	.4	35.5	.4	23.5	.4	10.2
.6	55.9	.6	46.1	.6	35.3	.6	23.3	.6	10.0
.8	55.7	.8	45.9				23.0		
				.8	35.0	.8		.8	9.7
9.	55.5	19.	45.7	29.	34.8	39.	22.8	49.	9.4
.2	55.3		45.5	.2	34.6	.2	22.5	.2	9.1
.4	55.1	•4	45.3	.4	34.4	•4	22.3	.4	8.8
.6	55.0		45.1	.6	34.1	.6	22.0	.6	8.6
.8	54.8		44.9	.8	33.9	.8	21.8	.8	8.3
10.	54.6		44.7	30.	33.7	40.	21.5	50.	8.0
1		1		1				, ,	3.0
			- 1				- 1		

#### TEMPERATURE 74°.

Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
on	over	on	under	on	under	on.	under	on	under
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
50.	8.0	60.	7.1	70.	24.6	80.	47.3	90.	75.8
.2	7.7	.2	7.4	.2	25.0	.2	47.8	.2	76.4
-4	7.4	-4	7.7	-4	25.4	•4	48.4	•4	77.0
.6	7.2	.6	8.1	.6	25.7	.6	48.9 49.5	.6	77.6 78.2
.8	6.9 6.6	.8 61.	8.4 8.7	.8	26.1 26.5	.8 81.	50.0	.8	78.8
51.	6.3	.2	9.0	71.	26.9	.2	50.5	91.	79.4
.2	6.0	.4	9.3	.4	27.3	.4	51.0	.4	80.0
.6	5.8	.6	9.7	.6	27.7	.6	51.5	.6	80.5
.8	5.5	.8	10.0	.8	28.1	.8	52.0	.8	81,1
52.	5.2	62.	10.3	72.	28.5	82.	52.5	92.	81.7
.2	4.9	.2	10.6	.2	28.9	.2	53.0	.2	82.3
-4	4.6	•4	11.0	.4	29.3	-4	53.5	٠4	82.8
.6	4.3	.6	11.3	.6	29.7	.6	54.0	.6	83.4
.8	4.0	.8	11.7	.8	30.1	.8	54.5 55.0	.8	83.9 84.5
53.	3.7	63.	$\begin{array}{c c} 12.0 \\ 12.3 \end{array}$	73.	30.5 30.9	83.	55.5	93.	85.0
.2	3.1	.2	12.7	.2	31.3	.4	56.0	.2	85.6
·4 .6	2.8	.6	13.0	.6	31.8	.6	56.6	.6	86.1
.8	2.5	.8	13.4	.8	32.2	.8	57.1	.8	86.7
54.	2.2	64.	13.7	74.	32.6	84.	57.6	94.	87.2
.2	1.9	.2	14.0	.2	33.0	.2	58.2	.2	87.7
.4	1.6	-4	14.4	-4	33.5	-4	58.8	.4	88.3
.6	1.4	.6	14.7	.6	33.9	.6	59.3	.6	88.8
.8	1.1	.8	15.1	.8	34.4	.8	59.9	.8	89.4
55.	.8 .5	65.	15.4	75.	34.8 35.3	85.	60.5	95.	89.9 90.4
.2	.2	.2	15.8 16.1	.2	35.7	.2	61.7	.2	90.9
.6	2	·4 .6	16.5	.6	36.2	.6	62.3	.4 .6	91.5
.8	.5	.8	16.8	.8	36.6	.8	62.9	.8	92.0
56.	.8	66.	17.2	76.	37.1	86.	63.5	96.	92.5
.2	1.1	.2	17.6	.2	37.6	.2	64.1	.2	93.0
-4	1.4	.4	17.9	.4	38.0	-4	64.7	.4	93.5
.6	1.7	.6	18.3	.6	38.5	.6	65.4	.6	93.9
.8	2.0	.8	18.6	.8	38.9	.8	66.0	.8	94.4
57.	2.3	67.	19.0	77-	39.4	87.	66.6	97.	94.9
.2	2.6 2.9	.2	19.4 19.8	.2	39.9 40.4	.2	67.2   67.8	.2	95.4 95.9
.6	3.2	.6	20.1	.6	40.9	.4 .6	68.4	•4 .6	96.3
.8	3.5	.8	20.5	.8	41.4	.8	69.0	.8	96.8
58.	3.8	68.	20.9	78.	41.9	88.	69.6	98.	97.3
.2	4.1	.2	21.3	.2	42.4	.2	70.2	.2	97.8
-4	4.5	.4	21.6	.4	43.0	.4	70.9	-4	98.2
.6	4.8	.6	22.0	.6	43.5	.6	71.5	.6	98.7
.8	5.2	.8	22.3	.8	44.1	.8	72.2	.8	99.1
59.	5.5	69.	22.7 23.1	79.	44.6 45.1	89.	72.8   73.4	99.	99.6
.2	5.8 6.1	.2	23.5	.2	45.7	.2	74.0	.2	100.0
.6	6.5	·4 .6	23.8	.6	46.2	.6	74.6	.6	
.8	6.8	.8	24.2	.8	46.8	.8	75.2	.8	
60.	7.1	70.	24.6	80.	47.3	90.	75.8	100.	
									V T

## TEMPERATURE 75°.

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Wts. &	Per	Wts. &	Per	Wts. &	Don	Wts. &	D	XX74 0.	D.
Divs.	Cent.	Divs.	Cent.	Divs.	Per Cent.	Divs.	Per Cent.	Wts.&	Per
on	over	on	over	on	over	on	over	on	Cent.
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
Docin.	11001.	Docin.	1 1001.	Docin.	1 1001.	Social.	1 1001.	Geem.	1 1001.
o.	63.3	10.	54.3	20.	44.4	30.	33.4	40.	21.1
.2	63.1	.2	54.1	.2	44.2	.2	33.2	,2	20.8
.4	63.0	.4	53.9	.4	44.0	.4	32.9	.4	20.6
.6	62.8	.6	53.8	.6	43.8	.6	32.7	.6	20.3
.8	62.7	.8	53.6	.8	43.6	.8	32.4	.8	20.1
I.	62.5	11.	53.4	21.	43.4	31.	32.2	4I.	19.8
.2	62.3	.2	53.2	,2	43.2	.2	32.0	.2	19.5
.4	62.1	.4	53.0	.4	43.0	•4	31.7	•4	19.3
.6	62.0	.6	52.9	.6	42.7	.6	31.5	.6	19.0
.8	61.8	.8	52.7	.8	42.5	.8	31.2	.8	18.8
2.	61.6	12.	52.5	22.	42.3	32.	31.0	42.	18.5
.2	61.4	.2	52.3	.2	42.1	.2	30.8	.2	18.2
.4	61.2	.4	52.1	٠4	41.9	•4	30.5	•4	18.0
.6	61.1	.6	51.9	.6	41.6	.6	30.3	.6	17.7
.8	60.9	8	51.7	.8	41.4	.8	30.0	.8	17.5
3.	60.7	13.	51.5	23.	41.2	33.	29.8	43.	17.2
.2	60.5	.2	51.3	.2	41.0	.2	29.6	.2	16.9
.4	60.3	.4	51.1	-4	40.8	.4	29.4	4	16.7
.6	60.2	.6	50.9	.6	40.5	.6	29.1	.6	16.4
.8	60.0	.8	50.7	,8	40.3	.8	28,9	.8	16.2
4.	59.8	14.	50.5	24.	40.1	34.	28.7	44.	15.9
.2	59.6	.2	50.3	.2	39.9	.2	28.5	.2	15.6
•4	59.5	.4	50.1	.4	39.7	•4	28.2	•4	15.4 15.1
.6	59.3	.6	50.0	.6	39.4	.6	28.0	.6	14.9
.8	59.2	.8	49.8	.8	39.2	.8	27.7 27.5		14.6
5.	59.0	15.	49.6	25.	39.0	35.	27.2	45.	14.3
.2	58.8	.2	49.4	.2	38.8	.2	27.0	11	14.0
-4	58.6	.4	49.2	•4	38.6 38.3	.4	26.7	.6	13.8
.6	58.4	.6 .8	49.0	.6 .8	38.1	.8	26.5	.8	13.5
.8	58.2		48.8 48.6		37.9	36.	26.2	46.	13.2
6.	58.0	16.	48.4	26.	37.7	.2	26.0	.2	12.9
.2	57.8	,2		.2	37.5	1	25.7	.4	12.6
.4	57.6	.4	49.2 47.9	.6	37.2	.6	25.5	.6	12.4
.6	57.5	,6 .8	47.7	.8	37.0	.8	25, 2	.8	12.1
.8	57.3 57.1		47.5	1	36.8	37.	25.0	47.	11.8
7.	56.9	17.	47.3	27.	36.6	.2	24.7	.2	11.5
.2	56.7		47.1	.4	36.4	.4	24.5	.4	11.3
·4 .6	56.6	.4	46.8	.6	36.1	.6	24.2	.6	11.0
.8	56.4	.8	46.6	.8	35.9	.8	24.0	.8	10.8
	56.2	18.	46.4	28.	35.7	38.	23.7	48.	10.5
8.	56.0	.2	46.2	.2	35.5	.2	23.4	.2	10.2
.2	55.8	.4	46.0	.4	35.2	.4	23.2	.4	9.9
.6	55.7	.6	45.9	.6	35.0	.6	22.9	.6	9.7
.8	55.5	.8	45.7	.8	34.7	.8	22.7	.8	9.4
	55.3	19.	45.5	29.	34.5	39.	22.4	49.	9.1
9. .2	55.1	.2	45.3	.2	34.3	.2	22.1	.2	8.8
4 6	54.9	.4	45.1	.4	34.1	.4	21.9	.4	8.5
.4	54.7	.6	44.8	.6	33.8	.6	21.6	.6	8.2
.8	54.5	.8	44.6	.8	33.6	.8	21.4	.8	7.9
10.	54.3	20.	44.4	30.	33.4	40.	21.1	50.	7.6
10,	0.20		1				1	11	
1	البسيد	<u>'                                    </u>							

#### TEMPERATURE 75°.

		H	1	1		()	1	D.	1
Wts.	& Per	Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per
Divs	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
on	over	on	under	on	under		under	on	under
Stem	. Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
50.	7.6	60.	7.5	70.	25.0	80.	47.8	90.	76.1
.2	7.3	.2	7.8	.2	25.4	.2	48.3	.2	76.7
.4	7.0	.4	8.1	.4	25.8	.4	48.8	.4	77.3
.6	6.8	.6	8.5	.6	26.2	.6	49.4	.6	77.8
.8	6.5	.8	8.8	.8	26.6	.8	49.9	.8	78.4
51.	$\begin{array}{ c c } \hline 6.2 \\ 5.9 \end{array}$	61.	9.1	71.	27.0 27.4	81.	50.4 50.9	91.	79.0
.2	5.6	.2	$\begin{array}{ c c }\hline 9.4\\ 9.7\end{array}$	.4	27.8	.4	51.4	.2	79.6 80.2
.6	5.4	.6	10.1	.6	28.2	.6	51.9	.6	80.7
.8	5.1	.8	10.4	.8	28.6	.8	52.4	.8	81.3
52.	4.8	62.	10.7	72.	29.0	82.	52.9	92.	81.9
.2	4.5	.2	11.0	.2	29.4	.2	53.4	.2	82.5
.4	4.2	.4	13.4	.4	29.8	•4	53.9	-4	83.0
.6 .8	3.6	.6 .8	11.7 12.1	.6 .8	30.2 30.6	.6	54.4 54.9	.6	83.6 84.1
53.	3.3	63.	12.1	73.	31.0	83.	55.4	93.	84.7
.2	3.0	.2	12.7	,2	31.4	.2	55.9	.2	85.2
-4	2.7	-4	13.1	.4	31.8	•4	56.4	.4	85.8
.6	2.5	.6	13.4	.6	32.3	.6	57.0	.6	86.3
.8	2.2	.8	13.8	.8	32.7	8.	57.5	.8	86.9
54.	1.6	64.	14.1 14.4	74.	33.1 33.5	84.	58.0 58.6	94.	87.4
.4	1.3	.4	14.8	.2	34.0	.2	59.1	.2	87.9 88.4
.6	1.0	.6	15.1	.6	34.4	.6	59.7	.6	89.0
.8	.7	.8	15.5	.8	34.9	.8	60.2	.8	89.5
55-	.4	65.	15.8	75.	35.3	85.	60.8	95.	90.0
.2	.1	.2	16.2	.2	35.8	.2	61.4	.2	90.5
.4	.6	-4	16.5	.4	36.2	4	62.0	.4	91.0
.6	9	.6	16.9 17.2	.6 .8	36.7	.6	62.6 63.2	.6	91.6
56.	1.2	66.	17.6	76.	37.1 37.6	86.	63.8	96.	92.1 92.6
.2	1.5	.2	18.0	.2	38.1	.2	64.4	.2	93.1
-4	1.8	-4	18.3	.4	38.5	.4	65.0	.4	93.6
.6	2.1	.6	18.7	.6	39.0	.6	65.7	.6	94.1
.8	$\begin{array}{c c} 2.4 \\ 2.7 \end{array}$	.8	19.0	8	39.4	8	66.3	.8	94.6
57.	3.0	67.	19.4 19.8	77.	39.9 40.4	87.	66.9	97.	95.1
.4	3.3	.4	20.2	.4	40.4	.4	67.5 68.1	.2	95.6 96.1
.6	3.6	.6	20.5	.6	41.4	.6	68.7	.6	96.5
.8	3.9	.8	20.9	.8	41.9	.8	69.3	.8	97.0
58.	4.2	68.	21.3	78.	42.4	88.	69.9	98.	97.5
.2	4.5	.2	21.7	.2	42.9	.2	70.5	.2	98.0
.6	5.2	.6	22.0 22.4	-4	43.5	•4	71.1	•4	98.4
.8	5.6	.8	22.7	.6	44.0	.6	71.8 72.4		98.9 99.3
59.	5.9		23.1		45.1		73.0		99.8
.2	6,2	.2	23.5	.2	45.6		73.6	.2	
-4	6.5		23.9	.4	46.2	•4	74.2	.4	
.6 .8	6.9		24.2		46.7	.6	74.9	.6	
60.	7.5		24.6 25.0		47.3    47.8		75.5	.8	
			20.0	50.	11.0	90.	76.1	00.	
								,	

#### TEMPERATURE 76°.

F							1			
ı	777	D	TYTE O	D	3374 0	D	TATA. B.	D	VIII.	D.,
И	Wts.&	Per	Wts. &		Wts.&		Wts. &	Per	Wts. &	Per
H	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
ı	on	over	on	over	on	over	on	over	on	over
И	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
ı						44.7		00.7		00.0
l	0.	63.0	IO.	54.0	20.	44.1	30.	33.1	40.	20.8
ı	.2	62.8	.2	53.8	.2	43.9	.2	32.9	.2	20.5
ı	.4	62.7	•4	53.6	•4	43.7	.4	32.6	•4	20.3
1	.6	62.5	.6	53.5	.6	43.5	.6	32.4	.6	20.0
۱	.8	62.4	.8	53.3	.8	43.3	.8	32.1	.8	19.8
ı	I.	62.2	II.	53.1	21.	43.1	31.	31.9	4I.	19.5
ı	.2	62.0	.2	52.9	.2	42.9	.2	31.7	.2	19.2
ı	.4	61.8	.4	52.7	•4	42.7	.4	31.4	•4	19.0
ı	.6	61.7	.6	52.6	.6	42.4	.6	31.2	.6	18.7
1	.8	61.5	.8	52.4	.8	42.2	.8	30.9	.8	18.5
١	2.	61.3	12.	52.2	22.	42.0	32.	30.7	42.	18.2
1	,2	61.1	.2	52.0	.2	41.8	.2	30.5	.2	17.9
1		60.9	.4	51.8	.4	41.6	.4	30.2	.4	17.7
1	•4	60.8	.6	51.6	.6	41.3	.6	30.0	.6	17.4
1	.6 .8	60.6	.8	51.4	.8	41.1	.8	29.7	.8	17.2
1			1	51.4		40.9		29.5	43.	16.9
	3.	60.4	13.	51.2	23.	40.7	33.	29.3	43.	16.6
1	.2	60.2	.2	50.8	.2	40.7		29.0	.4	16.4
1	1 .4	60.1	.4		•4	40.2	.4	28.8	.6	16.1
1	.6	59.9	.6	50.6	.6		.6 .8	28.5	.8	15.9
1	.8	59.8	.8	50.4	.8	40.0	13	28.3		15.6
ı	4.	59.6	14.	50.2	24.	39.8	34.		44.	15.3
1	.2	59.4	.2	50.0	.2	39.6	.2	28.1	.2	15.1
ł	-4	59.2	.4	49.8	.4	39.4	.4	27.8	•4	10.1
ı	,6	59.1	,6	49.6	.6	39.1	,6	27.6	.6	14.8
1	.8	58.9	.8	49.4	.8	38.9	.8	27.3	.8	14.6
ı	5.	58.7	15.	49.2	25.	38.7	35.	27.1	45.	14.3
I	.2	58.5	,2	49.0	.2	38.5	.2	26.9	.2	14.0
ı	.4	58.3	.4	48.8	•4	38.3	.4	26.6	.4	13.7
١	.6	58.2	.6	48.6	.6	38.0	6	26.4	,6	13.5
1	.8	58.0	.8	48.4	.8	37.8	.8	26.1	.8	13.2
ı	6.	57.8	16.	48.2	26.	37.6	36.	25.9	46.	12.9
ı	.2	57.6	.2	48.0	.2	37.4	.2	25.7	,2	12.6
1	.4	57.4	.4	47.8	.4	37.2	1	25.4	.4	12.3
I	.6	57.2	6.	47.6	.6	36.9	6	25.2	.6	12.1
1	.8	57.0	.8	47.4	.8	36.7	.8	24.9	.8	11.8
		56.8	17.	47.2	27.	36.5	37.	24.7	47.	11.5
1	7.	56.6	.2	47.0	.2	36.3	.2	24.4	.2	11.2
1	.2	56.4		46.8	.4	36.1	1 4	24.2	.4	10.9
1	.4	56.3	. 4	46.6	.6	35.8	.6	23.9	.6	10.7
1	.6	56.1	.8	46.4	.8	35.6	.8	23.7	.8	10.4
1	.8	55.9		46.1	28.	35.4	38.	23.4	48.	10.1
1	8.		18.	46.0		35.2	.2	23.1	.2	9.8
1	.2	55.7	.2	45.8	.2	34.9	.4	22.9	.4	9.5
1	1 .4	55.5	1 .4	45.6	•4	34.7	.6	22.6	6.	9.3
1	.6	55.4	.6		.6	34,4	.8	22.4	.8	9.0
1	.8	55.2	.8	45.4	.8	34.2	12	22.1	49.	8.7
1	9.	55.0	19.	45.2	29.		39.	21.8	49.	8.4
1	.2	54.8	.2	45.0	.2	34.0		21.6	.4	8.1
1	•4	54.6	1 .4	44.8	-4	33.8	.4	21.3	.6	7.8
1	.6	54.4	.6	44.5	.6	33.5	.6	21.3	i s	7.5
I	.8	54.2	.8	44.3	.8	33.3		20.8	11	7.2
	10.	54.0	20.	44.1	30.	33.1	40.	20.8	50.	1.2
1		1	11	1	1		11	1	11	1

# TEMPERATURE 76°.

1										
1	177. A	1 70	777. 0	73	1371 0	D	777. 0		777.	-
d	Wts. &		Wts. &		Wts. &	Per	Wts. &		Wts. &	
1	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
1	on	over	on	under	on	under		under		under
ı	Stem.	Proof.	Stem.	Proof.	Stem,	Proof.	Stem.	Proof.	Stem.	Proof.
l									j	
H	50.	7.2	60.	7.9	70.	25.4	80.	48.4	90.	76.3
H	,2	6.9	.2	8.2	.2	25.8	.2	48.9	.2	76.9
H	.4	6.6	•4	8.5	-4	26.2	•4	49.4	•4	77.5
Н	.6	6.4	.6	8.9	.6	26.6	.6	49.9	.6	78.0
Н	.8	6.1	.8	9.2	.8	27.0	.8	50.4	.8	78.6
I	51.	5.8	61.	9.5	71.	27.4	81.	50.9	91.	79.2
I	.2	5.5	.2	9.8	.2	27.8	.2	51.4	.2	79.8
Н	.4	5.2		10.1	.4	28.2	.4	51.9		80.4
П	.6	5.0	.6	10.5	.6	28.6	.6	52.3	.6	80.9
ı	.8	4.7	.8	10.8	.8	29.0	.8	52.8	.8	81.5
Н		4.4		11.1		29.4		53.3		82.1
	52.	4.1	62.	11.1	72.	29.8	82.		92.	
	.2		.2	11.4	.2	30.2	.2	53.8	.2	82.6
	•4	3.8	.4	11.8	•4 .6	30.4	.4	54.3	•4	83.2
	.6	3.6	.6	12.1	.6	30.7	.6	54.7	.6	83.7
П	.8	3.3	.8	12.5	.8	31.1	.8	55.2	.8	84.3
ı	53.	3.0	63.	12.8	73.	31.5	83.	55.7	93.	84.8
П	.2	2.7	.2	13.1	.2	31.9	.2	56.2	.2	85.4
H	.4	2.4	•4	13.5	•4	32.3	•4	56.7	-4	85.9
H	.6	2.1	.6	13.8	.6	32.8	.6	57.3	.6	86.5
H	.8	1.8	.8	14.2	.8	33.2	.8	57.8	.8	87.0
H	54.	1.5	64.	14.5	74.	33.6	84.	58.3	94.	87.6
Н	.2	1.2	.2	14.8	.2	34.0	.2	58.9	,2	88.1
11		.9	.4	15.2	.4	34.5	-4	59.4	.4	88.6
Н	.6	.6	.6	15.5	.6	34.9	.6	60.0	.6	89.2
H	.8	.3	.8	15.9	.8	35.4	.8	60.5	.8	89.7
H	55.		65.	16.2	75.	35.8	85.	61.1		90.2
Н	23.	.3	.2	16.6	13.	36.3	.2	61.7	95.	90.7
И		.6		16.9	.2	36.7				
H	.6	.9	.6	17.3	•4	37.2	•4	62.3	•4	91.2
H	.0				.6		.6	62.9	.6	91.8
H	.8	1.2	.8	17.6	.8	37.6	.8	63.5	.8	92.3
H	56.	1.5	66.	18.0	76.	38.1	86.	64.1	96.	92.8
H	.2	1.8	.2	18.4	.2	38.6	.2	64.7	.2	93.3
	•4	2.1	.4	18.7	•4	39.0	-4	65.3	.4	93.8
	.6	2.5	.6	19.1	.6	39.5	.6	65.9	.6	94.2
	.8	2.8	.8	19.4	.8	39.9	.8	66.5	.8	94.7
1	57-	3.1	67.	19.8	77-	40.4	87.	67.1	97.	95.2
I	.2	3.4	.2	20,2	.2	40.9	.2	67.7	.2	95.7
	.4	3.7	-4	20.6	-4	41.4	.4	68.3	.4	96.2
	.4	4.0	.6	20.9	.6	41.9	.61	69.0	.6	96.6
	.8	4.3	.8	21.3	.8	42.4	.8	69.6	.8	97.1
	58.	4.6	68.	21.7	78.	42.9	88.	70.2	98.	97.6
1	.2	4.9	.2	22.1	.2	43.4	.2	70.8		98.1
	.4	5.3	•4	22.4	-4	44.0	.4	71.4	- 1	98.5
	.6	5.6	.6	22.8	.6	44.5	.61	72.1		99.0
1	.8	6.0	.8	23.1	.8	45.1	.8	72.7	- 1	99.4
	59.	6.3	69.	23.5		45.6				
	.2	6.6	_	23.9	79.	46.2	89.	73.3		99.9
		6.9	.2	24.3	.2		.2	73.9	.2	
1	.6	7.3	.4		•4	46.7	.4	74.5	•4	to the same of the
i	.8		.6	24.6	.6	47.3	.6	75.1	.6	
1		7.6	.8	25.0	.8	47.8	.8	75.7	.8	
I	60.	7.9	70.	25.4	So.	48.4	90.	76.3	100.	
L										
										-

#### TEMPERATURE 77°.

7774	k Per	Wts. &	Per	Wts. &	Per	Wts. &	D	TTTL. R	D
Wts.								Wts. &	
Divs		Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
on	over	on	over	on	over	on	over	on	over
Stem	. Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
Ο,	62.7	10.	53.7	20.	43.8	30.	32.7	40.	20.4
.2		.2	53.5	.2	43.6	.2	32.5	.2	20.2
.4	62.4	•4	53.3	.4	43.4	.4	32.3	.4	19.9
.6		.6	53.2	.6	43.2	.6	32.0	.6	19.7
.8	62.1	.8	53.0	.8	43.0	.8	31.8	.8	19.4
r.	61.9	II.	52.8	21.	42.8	31.	31.6	41.	19.2
.2	0.7	.2	52.6	.2	42.6	.2	31.4	.2	18.9
.4		.4	52.4	.4	42.4	.4	31.1	.4	18.7
.6		.6	52.3	.6	42.1	.6	30.9	.6	18.4
.8		.8	52.1	.8	41.9	.8	30.6	.8	18.2
	61.0	12.	51.9	22.	41.7	32.	30.4	42.	17.9
2.	000	.2	51.7	.2	41.5	.2	30.2	,2	17.6
.2			51.5		41.3		29.9	.4	17.4
.4		.4	51.5	•4	41.0	·4 .6	29.7	.6	17.4
.6		.6	51.0	.6	40.8	.8	29.4	.8	
.8	00.0	.8	51.2	.8	40.0	i i			16.9
3.	60.2	13.	51.0	23.	40.6	33.	29.2	43.	16.6
.2		.2	50.8	.2	40.4	.2	29.0	.2	16.3
.4		.4	50.6	.4	40.2	.4	28.7	.4	16.0
.6		.6	50.4	.6	39.9	.6	28.5	.6	15.8
3.	59.5	.8	50.2	.8	39.7	.8	28.2	.8	15.5
4.	59.3	14.	50.0	24.	39.5	34	28.0	44.	15.2
1 .2		.2	49.8	.2	39.3	.2	27.8	.2	14.9
.4		.4	49.6	.4	39.1	.4	27.5	.4	14.7
		.6	49.4	.6	38.8	.6	27.3	.6	14.4
.8		.8	49.2	.8	38.6	.8	27.0	.8	14.2
5.		15.	49.0	25.	38.4	35.	26.8	45.	13.9
3.	1	.2	48.8	.2	38.2	.2	26.5	.2	13.6
		.4	48.6	.4	38.0	.4	26.3	.4	13.3
		1 .6	48.3	1.6	37.7	.6	26.0	6.	13.1
			48.1	.8	37.5	.8	25.8	.8	12.8
		.8		26.	37.3	36.	25.5	46.	12.5
6.		16.	47.9		37.1	.2	25.3	40.	12.2
.2		.2	47.7	.2		11	25.0	1)	11.9
	57.1	1 .4	47.5	1 .4	36.9	.4	24.8	.6	11.9
.9		.6	47.3	.6	36.6	.6			11.7
1		.8	47.1	8.	36.4	.8	24.5	.8	11.4
7.		17.	46.9	27.	36.2	37.	24.3	47.	11.1
	56.3	.2	46.7	.2	36.0	.2	24.0	.2	10.8
	56.1	.4	46.5	.4	35.7	.4	23.8	•4	10.5
II .	$5 \mid 56.0$	.6	46.3	.6	35.5	.6	23.5	.6	10.3
	55.8	.8	46.1			.8	23.3	.8	10.0
8.	55.6	18.	45.9	28.	35.0	38.	23.0	48.	9.7
	A	.2	45.7	.2	34.8	.2	22.7	.2	9.4
	1 0	.4	45.5	.4	34.6	.4	22.5	•4	9.1
		.6	45.3	.6	34.3	.6	22.2	.6	8.9
	54.9	.8	45.1	.8	34.1	.8	22.0	.8	8.6
	54.7		44.9	29.	33.9	39.	21.7	49.	8.3
9.		19.	44.7	29.	33.7	.2	21.4	.2	8.0
	1 - 4 63	.2		- 11	33.4	.4	21.2	.4	7.7
		1 .4	44.5	•4	33.2	.6	20.9	.6	7.5
		.6	44.2	.6		.8	20.7	.8	7.2
		.8	44.0	.8	32.9		20.4	- 11	
10.	53.7	20.	43.8	30.	32.7	40.	20.4	50.	6.9
	1	1	1	1		1	1	11	
L									

## TEMPERATURE 77°.

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ı				70	777/ 0	70	337/ O	70	7774 0	T
ı	Wts. &	Per	Wts. &		Wts. &		Wts. &		Wts. &	
ł	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
ı	on	over	on	under	on	under	on	under	on	under
l	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
H									į E	
I	50.	6.9	60.	8.3	70.	25.8	80.	48.9	90.	76.5
ı	.2	6.6	.2	8.6	.2	26.2	.2	49.4	.2	77.1
ł	.4	6.3	.4	8.9	.4	26.6	•4	49.9	.4	77.7
1	.6	6.0	.6	9.3	.6	27.0	.6	50.4	.6	78.2
ı	.8	5.7	.8	9.6	.8	27.4	.8	50.9	.8	78.8
I	51.	5.4	61.	9.9	71.	27.8	81.	51.4	91.	79.4
ı	.2	5.1	.2	10.2	.2	28.2	.2	51.9	.2	80.0
H		4.8	•4	10.5	1	28.6	.4	52.3	.4	80.6
ŀ	·4 .6	4.6	.6	10.9	.6	29.0	.6	52.8	.6	81.1
ı		4.3	.8	11.2		29.4		53.2	.8	81.7
	.8	4.0		11.2	.8		.8	53.7		
	52.		62.	11.8	72.	29.8	82.	54.2	92.	82.3
I	.2	3.7	,2		.2	30.2	.2		.2	82.8
1	•4	3.4	•4	12.2	.4	30.6	•4	54.7	•4	83.4
	.6	3.2	.6	12.5	.6	31.1	.6	55.1	.6	83.9
ı	.8	2.9	.8	12.9	.8	31.5	.8	55.6	.8	84.5
	53.	2.6	63.	13.2	73.	31.9	83.	56.1	93.	85.0
1	.2	2.3	.2	13.5	.2	32.3	.2	56.6	.2	85.5
I	.4	2.0	•4	13.9	.4	32.7	.4	57.1	.4	86.1
ı	.6	1.7	.6	14.2	.6	33,2	.6	57.7	.6	86,6
1	.8	1.4	.8	14.6	.8	33.6	.8	58.2	.8	87.2
ı	54.	1.1	64.	14.9	74.	34.0	84.	58.7	94.	87.7
ı	.2	.8	.2	15.2	.2	34.5	.2	59.3	.2	88.2
ı	.4	.5	.4	15.6	.4	34.9	.4	59.8	.4	88.8
ı	.6	.2	.6	15.9	.6	35.4	.6	60.4	.6	89.3
		.1	.8	16.3		35.8		60.9	)	
ı	.8	.4		16.6	.8		.8		.8	89.9
ł	55.	.7	65.	17.0	75.	36.3	85.	61.5	95.	90.4
ı	.2		.2	17.0	.2	36.8	.2	62.1	.2	90.9
ı	-4	1.0	-4	17.3	•4	37.2	•4	62.7	-4	91.4
ı	.6	1.3	.6	17.7	.6	37.7	.6	63.3	.6	91.9
l	.8	1.6	.8	18.0	.8	38.1	.8	63.9	.8	92.4
l	56.	1.9	66.	18.4	76.	38.6	6.	64.5	96.	92.9
ı	.2	2.2	.2	18.8	.2	39.1	.2	65.1	.2	93.4
	-4	2.5	-4	19.1	.4	39.5	8.4	65.7	.4	93.9
	.6	2.8	.6	19.5	.6	40.0	.6	66.2	.6	94.3
	.8	3.1	.8	19.8	.8	40.4	.8	66.8	.8	94.8
	57-	3.4	67.	20.2	77-	40.9	87.	67.4	97.	95.3
1	.2	3.7	,2	20.6	.2	41.4	.2	68.0	.2	95.8
	-4	4.0	.4	20.9	•4	41.9	.4	68.6	.4	96.3
	.6	4.4	.6	21.3	.6	42.4	.6	69.2	.6	96.7
1	.8	4.7	.8	21.6	.8	42.9	.8	69.8	.8	97.2
	58.	5.0	68.	22.0	78.	43.4	88.	70.4	98.	97.7
1	.2	5.3	.2	22.4	)	44.0		71.0	1	98.2
1	•4	5.7		22.8	.2	44.5	.2	71.6	.2	98.6
1	.6	6.0	.6	23.1	•4	44.5 45.1	.4	72.3	.4	
I	.8	6.4	.8	23.5	.6		.6	72.9	.6	99,1
i		6.7			.8	45.6	.8		.8	99.5
I	59.		69.	23.9	79.	46.2	89.	73.5	99.	100.0
	.2	7.0	.2	24.3	.2	46.7	.2	74.1	.2	
1	•4		.4	24.7	•4	47.3	-4	74.7	1 -4	
1	.6	7.7	.6	25.0	.6	47.8	.6	75.3	.6	
1	.8	8.0	.8	25.4	.8	48.4	.8	75.9	.8	
	60.	8.3	70.	25.8	80.	48.9	90.	76.5	100.	
1				1						1

97

## TEMPERATURE 78°.

3774	D	Wts. &	D	Wts. &	n	Wts. &	D	7771 0	2
Wts. &								Wts.&	
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
on	over	on	over	on	over	on	over	on	over
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
0.	62.5	10.	53.5	20.	43.5	30.	32.4	40.	20.1
.2	62.3	.2	53.3	.2	43.3	.2	32.2	.2	19.8
.4	62.2	.4	53.1	•4	43.1	•4	31.9	•4	19.6
.6	62.0	.6	53.0	.6	42.8	.6	31.7	.6	19.3
.8	61.9	.8	52.8	.8	42.6	.8	31.4	.8	19.1
I.	61.7	II.	52.6	21.	42.4	31.	31.2	41.	18.8
.2	61.5	.2	52.4	.2	42.2	.2	31.0	.2	18.5
.4	61.3	.4	52.2	.4	42.0	•4	30.7	.4	18.3
1 .6 !	61.2	.6	52.0	.6	41.8	.6	30.5	.6	18.0
.8	61.0	.8	51.8	.8	41.6	.8	30.2	.8	17.8
2.	60.8	12.	51.6	22.	41.4	32.	30.0	42.	17.5
.2	60.6	,2	51.4	.2	41.2	.2	29.8	.2	17.2
.4	60.5	•4	51.4	•4	41.0	•4	29.5	.4	17.0
.6	60.3	.6	51.1	.6	40.7	.6	29.3	.6	16.7
.8		.8		.8	40.5	.8	29.0		
	60.2		50.9		40.3		28.8	.8	16.5 16.2
3.	60.0	13.	50.7	23.		33.		43.	10.2
.2	59.8	.2	50.5	.2	40.1	.2	28.6	.2	15.9
.4	59.6	-4	50.3	.4	39.9	•4	28.3	•4	15.7
.6	59.5	.6	50.1	.6	39.6	.6	28.1	.6	15.4
.8	59.3	.8	49.9	.8	39.4	.8	27.8	.8	15.2
4.	59.1	14.	49.7	24.	39.2	34.	27.6	44.	14.9
.2	58.9	.2	49.5	.2	39.0	.2	27.4	.2	14.6
.4	58.7	.4	49.3	•4	38.8	•4	27.1	•4	14.3
,6	58.6	.6	49.1	.6	38.5	.6	26.9	.6	14.1
.8	58.4	.8	48.9	.8	38.3	.8	26.6	.8	13.8
5.	58.2	15.	48.7	25.	38.1	35.	26.4	45.	13.5
.2	58.0	.2	48.5	.2	37.9	.2	26.2	.2	13.2
-4	57.8	.4	48.3	.4	37.7	.4	25.9	•4	13.0
.6	57.7	.6	48.0	.6	37.4	.6	25.7	.6	12.7
.8	57.5	.8	47.8	.8	37.2	.8	25.4	.8	12.5
6.	57.3	16.	47.6	26.	37.0	36.	25.2	46.	12.2
,2	57.1	.2	47.4	.2	36.8	.2	24.9	.2	11.9
	£6.9	1	47.2	.4	36.6	1 .4	24.7	.4	11.6
·4 .6	56.7	.6	47.0	.6	36.3	.6	24.4	.6	11.4
.8	56.5	.8	46.8	.8	36.1	.8	24.2	.8	11.1
		11		27.	35.9		23.9	R .	10.8
7.	58.3	17.	46.6	.2	35.7	37.	23.6	47.	10.5
,2	56.1	.2	46.4		35.4	1	23.4		10.3
.4	55.9	•4	46.2	.4		•4	23.1	•4	
.6	55.8	.6	46.0	.6	35.2	.6	23.1	.6	10.0 9.7
.8	55.6	.8	45.8	.8	34.9	.8		.8	
8.	55.4	18.	45.6	28.	34.7	38.	22,6	48.	9.4
.2	55.2	.2	45.4	.2	34.5	,2	22.3	.2	9.1
.4	55.0	•4	45.2	•4	34.3	•4	22.1	1 .4	8.8
.6	54.9	,6	45.0	.6	34.0	.6	21.8	.6	8.6
.8	54.7	.8	44.8	.8	33.8	.8	21.6	.8	8.3
9.	54.5	19.	44.6	29.	33.6	39.	21.3	49.	8.0
.2	54.3	.2	44.4	.2	33,4	.2	21.1	.2	7.7
.4	54.1	1 .4	44.2	.4	33.1	•4	20.8	.4	7.4
.6	53.9	.6	43.9	.6	32.9	.6	20.6	.6	7.2
.8	53.7	.8	43.7	.8	32.6	.8	20.3	.8	6.9
10.	53.5	20.	43.5	30.	32.4	40.	20.1	50.	6.6
								9	
		1	1						

## TEMPERATURE 78°.

	_	TT71 - 4	D	Wts. &	Per	Wts. &	TO.	Wts. &	D
Wts. &		Wts. &	Per Cent.	Divs.	Cent.	Divs.			Per Cent.
Divs.	Cent.	Divs.	under	on	under		Cent.	Divs.	
on	over Proof.	on Stem.	Proof.	Stem.	Proof.	on Stem.	Proof.		under Proof.
Stem.	Froot.	Stem.	1 1001.	Stein.	1 1001.	Stein.	1 1001.	Stem.	I 1001.
	6.6	60.	8.7	70.	26.3	80.	49.4	90.	76.7
50.	6.3		9.0	.2	26.7	.2	49.9		77.3
.2	6.0	.2	9.3	.4	27.1	.4	50.4	.2	77.9
.6	5.7	.6	9.7	.6	27.5	.6	50.8	.6	78.4
.8	5.4	.8	10.0	.8	27.9	.8	51.3	.8	79.0
51.	5.1	61.	10.3	71.	28.3	81.	51.8	91.	79.6
	4.8	.2	10.6	.2	28.7	.2	52.3	.2	80.2
.2	4.5	.4	10.9	.4	29.1	.4	52.7	-4	80.8
.6	4.3	.6	11.3	.6	29.5	.6	53.2	.6	81.3
.8	4.0	.8	11.6	.8	29.9	.8	53.6	.8	81.9
52.	3.7	62.	11.9	72.	30.3	82.	54.1	92.	82.5
.2	3.4	.2	12.3	.2	30.7	.2	54.6	.2	83.0
.4	3.1	.4	12.6	.4	31.1	.4	55.1	.4	83.6
.6	2.8	.6	13.0	.6	31.6	.6	55.5	.6	84.1
.8	2.5	.8	13.3	.8	32.0	.8	56.0	.8	84.7
53.	2.2	63.	13.7	73.	32.4	83.	56.5	93.	85.2
33.	1.9	.2	14.0	.2	32.8	.2	57.0	.2	85.7
.4	1.6	.4	14.3	-4	33.2	.4	57.5	.4	86.3
.6	1.4	.6	14.7	.6	33.7	.6	58.0	.6	86.8
.8	1.1	.8	15.0	.8	34.1	.8	58.5	.8	87.4
54-	.8	64.	15.3	74.	34.5	84.	59.0	94.	87.9
.2	.5	.2	15.7	.2	35.0	.2	59.6	.2	88.4
.4	.2	.4	16.0	•4	35.4	.4	60.1	.4	88.9
.6	2	.6	16.4	.6	35.9	.6	60.7	.6	89.5
.8	.5	.8	16.7	.8	36.3	.8	61.2	.8	90.0
	.8		17.1		36.8		61.8		90.0
55.	1.1	65.	17.5	75.	37.3	85.	62.4	95.	91.0
.4	1.4	.2	17.8	.2	37.7	.2	63.0	.4	91.5
.6	1.7	.4 .6	18.2	·4 ·6	38.2	·4 .6	63.6	.6	92.1
.8	2.0	.8	18.5	.8	38.6	.8	64.2	.8	92.6
56.	2.3	66.	18.9	76.	39.1	86.	64.8	96.	93.1
.2	2.6	.2	19.3	,0.	39.6	.2	65.4	.2	93.6
.4	2.9	.4	19.6		40.0	.4	66.0	.4	94.1
.6	3.2	.6	20.0	·4 .6	40.5	.6	66.5	.6	94.5
.8	3.5	.8	20.3	.8	40.9	.8	67.1	.8	95.0
57.	3.8	67.	20.7	77.	41.4	87.	67.7	97.	95.5
.2	4.1	.2	21.1	.2	41.9	.2	68.3	.2	96.0
.4	4.4	.4	21.4	.4	42.4	.4	68.9	.4	96.5
.6	4.8	.6	21.8	.6	43.0	.6	69.5	.6	96.9
.8	5.1	.8	22.1	.8	43.5	.8	70.1	.8	97.4
58.	5.4	68.	22.5	78.	44.0	88.	70.7	98.	97.9
.2	5.7	.2	22.9	.2	44.5	.2	71.3	.2	98.3
.4	6.1	.4	23.3	.4	45.1	.4	71.9	.4	98.8
.6	6.4	.6	23.6	.6	45.6	.6	72.6	.6	99.2
.8	6.8	.8	24.0	.8	46.2	.8	73.2	.8	99.7
59.	7.1	69.	24.4	79.	46.7	89.	73.8	99.	
.2	7.4	.2	24.8	.2	47.2	.2	74.4	.2	
.4	7.7	.4	25.2	.4	47.8	.4	75.0	.4	
.6	8.1	.6	25.5	.6	48.3	.6	75.5	.6	
.8	8.4	.8	25.9	.8	48.9	.8	76.1	.8	
60.	8.7	70.	26.3	80,	49.4	90.		100.	

## TEMPERATURE 79°.

_									
	-	TTC. 0	2	XX7. 0	2	TTT, B	D	XX71 0	70
Wts.&		Wts. &		Wts.&		Wts. &		Wts. &	
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
on	over	on	over	on	over	on	over	on	over
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
	00.0		F2.0		49.0		20.0		19.7
0.	62.3	IO.	53.2	20.	43.2	30.	32.0	40.	19.7
.2	62.1	.2	53.0	.2	43.0	.2	31.8	.2	19.5 19.2
.4	61.9	•4	52.8	•4	42.8	.4	31.6	•4	
.6	61.8	.6	52.7	.6	42.5	.6	31.3	.6	19.0 18.7
.8	61.6	.8	52.5	.8	42.3	.8	31.1		18.5
I.	61.4	II.	52.3	21.	42.1	3 <b>I</b> .	30.9	41.	18.2
.2	61.2	.2	52.1	.2	41.9	.2	30.7	.2	10.4
-4	61.0	.4	51.9	•4	41.7	.4	30.4	.6	18.0 17.7
.6	60.9	.6	51.7	.6	41.5	.6	30.2	.8	17.5
.8	60.7	.8	51.5	.8	41.3	.8	29.9	11	17.5
2.	60.5	12.	51.3	22.	41.1	32.	29.7	42.	17.2
.2	60.3	.2	51.1	.2	40.9	.2	29.5	.2	16.9
.4	60.2	.4	50.9	.4	40.7	.4	29.2	.4	16.7
.6	60.0	.6	50.8	.6	40.4	.6	29.0	.6	16.4
.8	59.9	.8	50.6	.8	40.2	.8	28.7	.8	16.2
3.	59.7	13.	50.4	23.	40.0	33.	28.5	43.	15.9
.2	59.5	.2	50.2	.2	39.8	.2	28.3	.2	15.6
.4	59.3	.4	50.0	.4	39.6	.4	28.0	.4	15.4
.6	59.2	.6	49.8	.6	39.3	.6	27.8	.6	15.1
.8	59.0	.8	49.6	.8	39.1	.8	27.5	.8	14.9
4.	58.8	14.	49.4	24.	38.9	34.	27.3	44.	14.6
.2	58.6	.2	49.2	.2	38.7	.2	27.1	.2	14.3
.4	58.4	.4	49.0	•4	38.5	.4	26.8	.4	14.0
.6	58.3	.6	48.8	.6	38.2	.6	26.6		13.8
.8	58.1	.8	48.6	.8	38.0	.8	26.3	.8	13.5
5.	57.9	15.	48.4	25.	37 8	35.	26.1		13.2
.2	57.7	.2	48.2	.2	37.6	.2	25.9	.2	12.9 12.6
.4	57.5	.4	48.0	.4	37.4	.4	25.6		12.0
.6	57.4	.6	47.7	.6	37.1	.6	25.4		12.4
.8	57.2	.8	47.5	.8	36.9	.8	25.1	.8	12.1
6.	57.0	16.	47.3	26.	36.7	36.	24.9		11.8
.2	56.8	.2	47.1	.2	36.5	.2			11.5
.4	56.6	.4	46.9	•4	36.3	1 .4	24.4	.4	11.2
.6	56.4	.6	46.7	.6	36.0	.6	24.1		11.0
.8	56.2	.8	46.5	.8	35.8	.8	23.9		10.7
7.	56.0	17.	46.3	27.	35.6	37.	23.6		10.4
.2		.2	46.1	.2	35.4	,2			1
		.4	45.9	•4	35.1	.4	23.1		9.8
.4	55.5	.6	45.7	.6	34.9	.6	22.8		9.6
.8	55.3	.8	45.5	.8		.8	22.6	8.0	
8.	55.1	18.	45.3	28.	34.4	38.	22.3	48.	9.0
.2	54.9	.2	45.1	.2		.2			8.7
.4	54.7	.4	44.9	.4	33.9	.4	21.8		8.4
.6	54.6	.6	44.7	.6	33.7	.6	21.5	.6	8.2
.8	54.4	,8	44.5	.8	33.4	.8			7.9
9.	54.2	19.	44.3	29.	33.2	39.	21.0		7.6
.2	54.0	.2	44.1	.2	33.0	,2		.2	7.3
.4	53.8	.4	43.9	-4	32.7	.4	20.5	.4	7.0
.6	53.6	.6	43.6	.6	32.5	.6	20.2		6.8
.8	53.4	.8	43.4	.8	32.2	.8			
10.	53.2	20.	43.2	30.	32.0	40.	19.7	50.	6.2
	4	+		1					

## TEMPERATURE 79°.

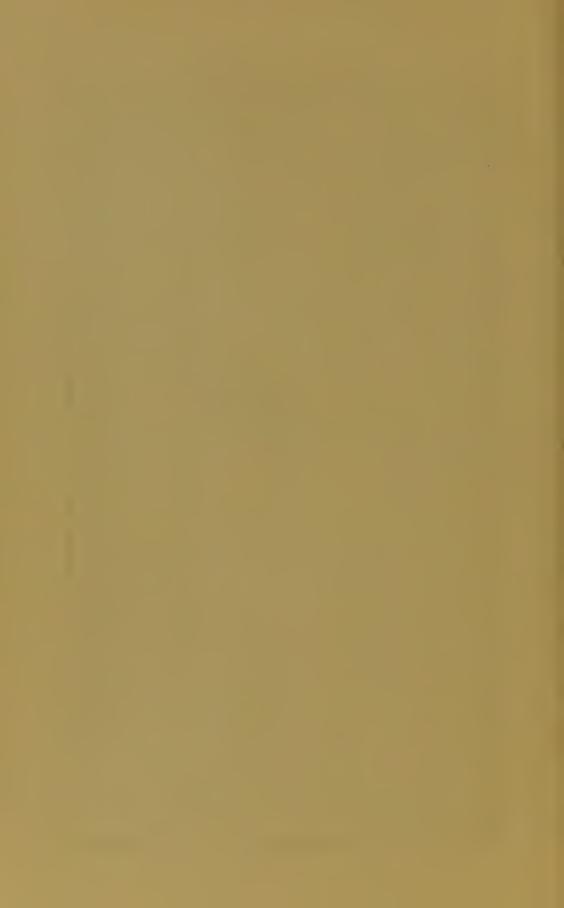
Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per	Wts. &	Per
Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
on	over	on	under	on	under	on	under	on	under
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
50.	6.2	60.	9.1	70.	26.7	80.	49.9	90.	77.0
.2	5.9	.2	9.4	.2	27.1	.2	50.4	.2	77.6
•4	5.6	•4	9.7	.4	27.5	•4	50.8	•4	78.1
.6	5.4	.6	10.1 10.4	.6	$\begin{bmatrix} 27.9 \\ 28.3 \end{bmatrix}$	.6	51.3 51.7	.6	78.7 79.2
.8	5.1 4.8	61.	10.4	71.	28.7	.8 81.	52.2	.8	79.8
5I. .2	4.5	.2	11.0	.2	29.1	.2	52.7	.2	80.4
•4	4.2	.4	11.3	.4	29.5	•4	53.1	.4	80.9
6	3.9	.6	11.7	.6	29.9	.6	53.6	.6	81.5
.8	3.6	.8	12.0	.8	30.3	.8	54.0	.8	82.0
52.	3.3	62.	12.3	72.	30.7	82.	54.5	92.	82.6
.2	3.0	.2	12.6	.2	31.1	.2	55.0	.2	83.2
.4	2.7	•4	13.0	.4	31.5	-4	55.5	•4	83.7
.6	2.5	.6	13.3	.6	32.0	.6	55.9	.6	84.3
.8	2.2	.8	13.7	.8	32.4	.8	56.4	.8	84.8
53.	1.9	63.	14.0 14.3	73.	32.8 33.2	83.	56.9	93.	85.4
.2	1.6	.2	14.7	.2	33.7	.2	57.4 57.9	.2	85.9 86.5
·4 .6	1.0	.4	15.0	.6	34.1	.6	58.4	·4 .6	87.0
.8	.7	.8	15.4	.8	34.6	.8	58.9	.8	87.6
54-	.4	64.	15.7	74.	35.0	84.	59.4	94.	88.1
.2	.1	.2	16.1	.2	35.5	.2	59.9	.2	88.6
.4	.2	.4	16.4	.4	35.9	.4	60.5	.4	89.1
.6	.5	.6	16.8	.6	36.4	.6	61.0	.6	89.7
.8	.8	.8	17.1	.8	36.8	.8	61.6	.8	90.2
55-	1.1	65.	17.5	75.	37.3	85.	62.1	95.	90.7
.2	1.4	.2	17.9	.2	37.8	.2	62.7	.2	91.2
•4	1.7	•4	18.2	•4	38.2	•4	63.3	•4	91.7
.6	$\begin{array}{c c} 2.1 \\ 2.4 \end{array}$	.6	18.6	.6	38.7 39.1	.6	63.9	.6	92.2
56.	2.7	66.	19.3	.8 · 76.	39.6	.8 86.	64.5 65.1	96.	92.7 93.2
.2	3.0	.2	19.7	.2	40.1	.2	65.7	.2	93.7
.4	3.3	.4	20.0	.4	40.5	.4	66.3	.4	94.2
.6	3.6	.6	20.4	.6	41.0	.6	66.8	.6	94.6
.8	3.9	.8	20.7	.8	41.4	.8	67.4	.8	95.1
57-	4.2	67.	21.1	77.	41.9	87.	68.0	97.	95.6
.2	4.5	.2	21.5	.2	42.4	.2	68.6	.2	96.1
•4	4.8	•4	21.8	•4	42.9	•4	69.2	•4 \	96.6
.6	5.2 5.5	.6	22.2 22.5	.6	43.5	.6	69.7	.6	97.0
58.	5.8	.8 68.	22.5	.8	44.0	.8	70.3	.8	97.5
.2	6.1	.2	23.3	70.	45.0		70.9 71.5	98.	98.0
.4	6.4	•4	23.7	.4	45.6	.2	72.1	.2	98.5 98.9
.6	6.8	.6	24.0	.6	46.1	.6	72.8	.6	99.4
.8	7.1	.8	24.4	.8	46.7	.8	73.4	.8	99.8
59.	7.4	69.	24.8	79.	47.2	89.	74.0	99.	
.2	7.7	.2	25.2	.2	47.7	.2	74.6	.2	
•4	8.1	•4	25.6	.4	48.3	.4	75.2	.4	
.6	8.4	.6	25.9	.6	48.8	.6	75.8	.6	
60.	8.8 9.1	.8	26.3	.8	49.4	.8	76.4	.8	
00.	3.1	70.	26.7	80.	49.9	90.	77.0	100.	
1	1	1	1						

## TEMPERATURE 80°.

_										
		-	3371 0	D	Wts. &	Per	Wts. &	Per	Wts.&	Per
	ts. &	Per Cent.	Wts. & Divs.	Per Cent.	Divs.	Cent.	Divs.	Cent.	Divs.	Cent.
	on	over	on	over	on	over	on	over	on	over
	tem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
						10.0	-	01.7		19.4
	0.	62.0	10.	52.9	20.	42.9	30.	31.7	40.	19.4
	.2	61.8	.2	52.7	.2	42.7 42.5	.2	31.3	.4	18.9
	4	61.6	.6	52.5 52.4	.6	42.2	:6	31.0	.6	18.6
	.6 .8	$\begin{array}{c} 61.5 \\ 61.3 \end{array}$	.8	52.2	.8	42.0	.8	30.8	.8	18.4
	.o I	61.1	11.	52.0	21.	41.8	31.	30.6	<b>41.</b>	18.1
	,2	60.9	.2	51.8	.2	41.6	.2	30.4	.2	17.8
8	•4	60.7	.4	51.6	.4	41.4	•4	30.1 29.9	.6	17.6
l.	.6	60.6	.6	51.4	.6	41.2	.6	29.6	.8	17.1
	.8	60.4	.8	51.2 51.0	.8	40.8	32.	29.4	42.	16.8
	2.	$\begin{bmatrix} 60.2 \\ 60.0 \end{bmatrix}$	I 2.	50.8	22.	40.6	.2	29.2	.2	16.5
	.2	59.9	.4	50.6	.4	40.4	•4	28.9	•4	16.3
	.6	59.7	.6	50.5	.6	40.1	.6	28.7	.6	16.0 15.8
	.8	59.6	.8	50.3	.8	39.9	.8	28.4 28.2	.8	15.5
1	3.	59.4	13.	50.1	23.	39.7 39.5	33.	28.2	43.	15.2
и	.2	59.2	.2	49.9	.2	39.3	.4	27.7	4	15.0
	•4	59.0	.4	49.7	.4	39.0	.6	27.5	.6	14.7
	.6 .8	58.9	8	49.3	.8	38.8	.8	27.2	.8	14.5
	4.	58.5	14.	49.1	24.	38.6	34-	27.0	44.	14.2 13.9
	,2	58.3	.2	48.9	.2	38.4	.2	26.8 26.5	.2	13.6
	.4	58.1	.4	48.7	1 .4	38.2 37.9	.6	26.3	.6	13.4
	.6	58.0	.6	48.5	.6	37.7	.8	26.0	.8	13.1
	.8	57.8		48.1	25.	37.5	35.	25.8	45.	12.8
	5.	57.6 57.4	15.	47.9	.2	37.3	.2	25.6	.2	12.5
	.4	57.2	.4	47.7	.4	37.0	.4	25.3	1 .4	12.2
ш	.6	57.1	6	47.4	.6	36.8	•6	25.1 24.8	.6	11.7
11	.8	56.9	.8	47.2	.8	36.5	36.	24.6	46.	11.4
П	6.	56.7	16.	47.0 46.8	26.	36.1	.2	24.3	.2	11.1
П	.2	56.5	.2	46.6	.4	35.9	.4	24.1	•4	10.9
н	.6	56.3 56.1	.6	46.4	.6	35.6	.6	23.8	.6	10.6
П	.8	55.9	.8	46.2	.8	35.4	.8	23.6	.8	10.4
	7.	55.7	17.	46.0	27.	35.2	37.	$\begin{vmatrix} 23.3 \\ 23.0 \end{vmatrix}$	47.	9.8
V	,2	55.5	.2	45.8	.2	35.0	.2	22.8	.4	9.5
	•4	55.3	.4	45.6	.4	34.5	.6	22.5	.6	9.3
	.6	55.2	.6	45.4		34.3	.8	22.3	.8	9.0
1	.8 8.	55.0	18.	45.0	28.	34.1	38.	22.0	48.	8.7
1	.2	54.6	.2	44.8	.2	33.9	.2	21.7	.2	8.4
	•4	54.4	.4	44.6	.4	33.6	1 .4	21.5 21.2	.6	7.9
	.6	54.3	.6	44.4	.6	33.4	1 .6	21.0	.8	7.6
	.8	54.1	.8	44.2	.8	32.9	39.	20.7	49.	7.3
1	9.	53.9	19.	44.0	29.	32.7	.2	20.4	.2	7.0
	.2	53.7	.4	43.6	.4	32.4	.4	20.2	1 .4	6.7
	.6	53.3	6.	43.3	.6	32.2	.6	19.9	.6	6.4
	.8	53.1	.8	43.1	8.	31.9	.8	19.7 19.4	50.	5.8
	IO.	52.9	20.	42.9	30.	31.7	40.	13.4	300	1
		1		1						

## TEMPERATURE 80°.

Wts. &	Per	Wts. &		Wts. &	Per Cent.	Wts. &		Wts. &	_
Divs. on	Cent.	Divs.	Cent. under	Divs.	under	Divs.	Cent. under	Divs.	Cent. under
Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.	Stem.	Proof.
50.	5.8	60.	9.5	70.	27.2	80.	50.4	90.	77.2
.2	5.5 5.2	.2 .4	$\begin{array}{c} 9.8 \\ 10.2 \end{array}$	.2	$\begin{array}{c} 27.6 \\ 28.0 \end{array}$	,2 •4	50.8 51.3	.2	77.8 78.3
.4 .6	5.0	.6	10.5	.4 .6	28.4	.6	51.7	.6	78.9
.8	4.7	.8	10.9	.8	28.8	.8	52.2	.8	79.4
5I. .2	4.4 4.1	61.	11.2 11.5	71. .2	29.2 29.6	81.	52.6 53.1	91.	80.0
	3.8	.4	11.8	.4	30.0	.4	53.5	•4	81.1
.6	3.6	.6	12.2	,6	30.4	.6	54.0	.6	81.7
.8	3.3	.8 62.	12.5 12.8	8,	30.8 31.2	82.	54.4 54.9	.8 92.	\$2.2 82.8
52. .2	2.7	.2	13.1	72. .2	31.6	,2	55.4	.2	83.4
.4 .6	2.4	.4	13.4	.4	32.0	•4	55.9	-4	83.9
.6 .8	2.1 1.8	.6 .8	13.8 14.1	.6 .8	$\frac{32.5}{32.9}$	.6 .8	56.3 56.8	.6 .8	84.5 85.0
53.	1.5	63.	14.4	73.	33.3	83.	57.3	93.	85.6
.2	1.2	.2	14.7	.2	33.7	.2	57.8	.2	86.1
.4	.9 .6	.4 .6	15.1 15.4	.4	34.2 34.6	·4 .6	58.3 58.7	.6	86.7
.6 .8	.3	.8	15.8	.6 .8	35.1	.8	59.2	.8	87.2 87.8
54.		64.	16.1	74.	35.5	84.	59.7	94.	88.3
.2	.3	.2	16.5 16.8	,2	36.0 36.4	.2	60.3	.2	88.8
.4 .6	.6 .9	.4 .6	17.2	.4 .6	36.9	.6	60.8	·4 .6	89.3 89.9
.8	1.2	.8	17.5	.8	37.3	.8	61.9	.8	90.4
55-	1.5	65.	17.9 18.3	75.	37.8 38.3	85.	62.5	95.	90.9
.2	1.8 2.1	.2 .4	18.6	.2 .4	38.7	.2	63.1 63.7	.2	91.4 91.9
.6	2.5	.6	19.0	.6	39.2	.6	64.2	.6	92.4
.8	2.8	.8	19.3 19.7	.8	39.6	8.8	64.8	.8	92.9
56. .2	3.1 3.4	66.	20.1	76. .2	40.1	86.	65.4 66.0	96.	93.4 93.9
.4	3.7	•4	20.5	.4	41.1	.4	66.6	.4	94.4
.6	4.0	.6	20.8	.6	41.5	.6	67.1	.6	94.8
57.	4.3	.8 67.	21.2	.8	42.0 42.5	.8 87.	67.7 68.3	.8 97.	9 <b>5.</b> 3 95.8
.2	4.9	.2	22.0	77.	43.0	.2	68.9	.2	96.3
.4	5.2	-4	22.3	.4	43.5	.4	69.5	-4	96.8
.6	5.6 5.9	.6 .8	22.7 23.0	.6 .8	44.1 44.6	.8	70.0 70.6	.6	97.2 97.7
58.	6.2	68.	23.4	78.	45.1	88.	71.2	98.	98.2
.2	6.5	.2	23.8	.2	45.6	.2	71.8	.2	98.6
.6	6.8 7.2	·4 .6	24.2 24.5	.4	46.2 46.7	•4	72.4 73.1	•4	99.1
.8	7.5	.8	24.9	.6 .8	47.3	.6	73.7	.6 .8	$\begin{array}{c c} 99.5 \\ 100.0 \end{array}$
59.	7.8	69.	25.3	79.	47.8	89.	74.3	99.	
.2	8.1 8.5	.2	25.7 26.1	.2	48.3 48.8	.2	74.9	.2	
.6	8.8	·4 .6	26.4	.4 .6	49.4	.6	75.5 76.0	.4	
.8	9.2	.8	26.8	.8	49.9	.8	76.6	.8	
60.	9.5	70.	27.2	80.	50.4	90.	77.2	100.	
I					- 13				



# SPECIFIC GRAVITY TABLES

ADAPTED TO

SIKES' HYDROMETER.

The following Tables of Specific Gravity, constructed from those of URE, at temperature 51°, show the specific gravity of spirits from 70 over proof down to water at every temperature, which specific gravity is the decimal part per imperial gallon. The imperial gallon of distilled water, at a temperature of 60°, weighs 10 lbs. avoirdupois, the specific gravity being denoted as 1000; therefore a gallon of spirits at the same temperature, the specific gravity of which is 900, weighs 9 lbs. per gallon.

#### TO USE THE TABLES.

Find the strength and temperature in the foregoing Tables, and facing the strength will be found the Hydrometric Indication, which note; then refer to these Specific Gravity Tables for the indication so found, against which is denoted the specific gravity, or decimal weight per gallon.

### EXAMPLES.

- 1. To find the specific gravity of proof spirits at temperature 60°: open Sikes's tables at 60°, and facing proof will be found 58.8, then turning to these Specific Gravity Tables for that indication (58.8), against which will be 9:196, the true specific gravity at 60° temperature, or 9lbs. 3oz. 3drms. per imperial gallon.
- 2. To find the specific gravity of spirits at 60° over proof at temperature 70°: facing 60 over proof at temperature 70°, the indication will be 5·2, and against 5·2 in these Specific Gravity Tables will be found 8·242 specific gravity, or 8lbs. 3oz. 3drms. per imperial gallon.
- 3. To find the specific gravity of spirits at 30 under proof at temperature 58°: against it will be found 76, and facing

76 in the Specific Gravity Tables is 9.525, or 9 lbs. 8oz  $.7\frac{1}{2}$  drms. per imperial gallon.

Note.—In using the Tables No. 2, the right hand figure of the indication found in Tables No. 1 is, if under 5, to be omitted, and if over 5, 1 is to be added to the preceding—thus, 8.242 should be read 8.24, and 9.196—9.20.

These Tables (No. 2) are used to readily convert specific gravity into pounds weight per imperial gallon. The first or left hand figure of the specific gravity being taken as pounds, the decimal parts will, by these Tables, be rendered in ounces and drachms—thus, in reading 8.242, or 8.24, the 8 is to be written pounds, and against 24 in these Tables will be found 3oz 13drms.—8lbs. 3oz. 13drms.

#### EXAMPLE.

To find the weight per gallon at proof, temperature 60°, the specific gravity is 9.196.

				lbs.	oz.	dms.
900			. is	9	0	0
·196 or 20	٠		. is	0	3	3

9 3 3 per imp. gall.

To find the weight per gallon at 60 over proof, temperature 70°, the specific gravity is 8.242.

				lbs.	O£.	dms.
800 .	•		is	8	0	0
·242 or 24			is	0	3	13

8 3 13 per imp. gall.

To find the weight per gallon at 30 under proof, temperature 58°, the specific gravity is 9.525.

							dms.
900				is	9	0	0
•525				is	0	8	$7\frac{1}{2}$

9 8  $7\frac{1}{2}$  per imp. gall.

# SPECIFIC GRAVITY.—TABLE I.

$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$										
Section   Sect	78.		78.	1	) ø .		1 00	1	1 6	
Section   Sect	ig a	9 %	E D	0 %	B 4.	0 :	1 4 4	0 %	.E	
	£ 5	1.5. E.	11 5	計算	H 12 23	1 13 15.		1 in 15		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	∞ 00	l g g	000	9 5	3 02	ar ar	St & 1	CCC	1 3 %	P. Cc.
	ts ta	100 E	l is	S S	£ 6	Spin	8 8	d'E	80 1	P. P. P.
O.         8.164         IO.         8.328         ZO.         8.495         30.         8.670         40.         8.849           .2         8.157         .2         8.326         .2         8.498         .2         8.674         4.         2.856           .6         8.161         .4         8.330         .4         8.502         .4         8.677         .4         8.856           .6         8.168         .8         8.337         .8         8.509         .8         8.684         .8         8.851           .2         8.171         11.         8.340         .21.         8.516         .2         8.695         .4         8.668           .4         8.178         .4         8.347         .4         8.519         .4         8.695         .4         8.874           .6         8.181         .6         8.354         .8         8.526         .8         8.702         .8         8.871           .2         8.181         .6         8.354         .8         8.526         .8         8.702         .8         8.871           .2         8.191         .2         8.364         .4         8.533         .2	ll ≽ ॅ					""	10	020	1 7 9	026
1.										
1.	0.	8.154	10	8 393	20	9.405	20	0.050	10	0.010
A										
6		8 161								8.853
R		8 104		0.000						
1.         8.174         1.         8.340         21.         8.512         31.         8.688         41.         8.867           4         8.178         4         8.343         2         8.516         2         8.692         2         8.871           6         8.181         6         8.350         6         8.523         6         8.699         6         8.878           8         8.185         8         8.354         8         8.526         8         8.702         8         8.881           2.         8.188         12.         8.361         2         8.530         32.         8.706         42.         8.882           2.         8.191         2         8.361         2         8.537         4         8.713         4         8.892           3.         8.198         6         8.368         6         8.540         6         8.716         6         8.896           4.         8.198         8         8.544         8.8723         43         8.903           3.         8.205         13.         8.375         23.         8.544         8.8723         43.         8.993           4.								8.681		
1.		0.108							.8	8.863
A		8.171		8.340					41.	8.867
.6         8.181         .6         8.350         .6         8.523         .6         8.099         .6         8.878           .8         8.185         .8         8.354         .8         8.526         .8         8.702         .8         8.878           .2         8.181         .2         8.361         .2         8.533         .2         8.706         42.         8.885           .2         8.191         .2         8.361         .2         8.533         .2         8.706         42.         8.885           .4         8.195         .4         8.364         .4         8.537         .4         8.713         .4         8.992           .6         8.198         .6         8.368         .6         8.544         .8         8.710         .6         8.871           .2         8.202         .8         8.375         23         8.544         .8         8.720         .8         8.896           .2         8.202         .8         8.375         23         8.544         .8         8.722         48         8.890           .2         8.208         .2         8.378         .2         8.551         .2							.3	8.692	.2	
6					.4	8.519	.4	8.695		8.874
A		8.181	.6	8.350	.6	8.523	.6			
2.         8.1891         1.2         8.357         22.         8.530         32.         8.706         42.         8.885           .4         8.195         .4         8.364         .4         8.537         .4         8.713         .4         8.892           .6         8.198         .6         8.368         .6         8.540         .6         8.716         .6         8.896           .8         8.202         .8         8.371         .8         8.544         .8         8.720         .8         8.899           3.         8.205         13.         8.375         23.         8.547         33.         8.723         43.         8.993           .2         8.208         .2         8.378         .2         8.551         .4         8.737         .2         8.907           .4         8.212         .4         8.382         .6         8.5558         .6         8.734         .6         8.914           .8         8.219         .8         8.389         .8         8.561         .8         8.737         .8         8.918           .4         8.222         .4         8.399         .4         8.572         .4	.8		.8	8.354	.8					
1.2				8.357						8 885
A										8 880
.6         8.198         .6         8.368         .6         8.540         .6         8.716         .6         8.899           3.         8.205         13.         8.375         23.         8.544         .8         8.720         .8         8.899           .2         8.208         .2         8.378         .2         8.551         .2         8.727         .2         8.907           .4         8.212         .4         8.382         .4         8.554         .4         8.730         .4         8.911           .6         8.215         .6         8.389         .8         8.561         .8         8.737         .8         8.914           .8         8.219         .8         8.389         .8         8.561         .8         8.737         .8         8.918           4.         8.222         14.         8.392         24.         8.565         34.         8.741         44.         8.922           .4         8.223         .6         8.402         .6         8.572         .4         8.748         .4         8.929           .6         8.232         .6         8.406         .8         8.579         .8				8.364				8712		
8         8.202         8         8.371         8         8.544         8         8.720         8         8.899           3.         8.205         13.         8.375         23.         8.547         33.         8.723         43.         8.903           .4         8.212         .4         8.382         .4         8.554         .4         8.737         .2         8.907           .4         8.215         .6         8.385         .6         8.558         .6         8.734         .6         8.914           .8         8.219         .8         8.389         .8         8.561         .8         8.737         .8         8.918           4.         8.222         14.         8.392         24.         8.565         .8         8.734         .6         8.914           4.         8.222         14.         8.392         24.         8.565         .2         8.745         .2         8.926           .4         8.225         .2         8.395         .2         8.566         .2         8.745         .2         8.926           .4         8.236         .8         8.402         .6         8.579         .8 <td< td=""><td></td><td></td><td></td><td></td><td>· i</td><td></td><td></td><td></td><td></td><td></td></td<>					· i					
3.         8.205         13.         8.375         23.         8.547         33.         8.723         43.         8.903           4         8.212         .4         8.382         .4         8.554         .4         8.730         .4         8.907           .6         8.215         .6         8.385         .6         8.558         .6         8.734         .8         8.914           .8         8.219         .8         8.389         .8         8.561         .8         8.737         .8         8.918           4.         8.222         14.         8.392         24.         8.565         34.         8.741         44.         8.922           .2         8.225         .2         8.395         .2         8.568         .2         8.745         .2         8.926           .4         8.229         .4         8.399         .4         8.572         .4         8.745         .2         8.926           .4         8.232         .6         8.402         .6         8.575         .6         8.752         .6         8.933           .8         8.236         .8         8.409         .2         8.586         .2		8.202		8 371				0.710		
.2         8.208         .2         8.378         .2         8.551         .2         8.727         .2         8.907           .4         8.212         .4         8.382         .4         8.554         .4         8.730         .4         8.911           .6         8.215         .6         8.385         .6         8.558         .6         8.734         .6         8.914           .8         8.219         .8         8.389         .8         8.561         .8         8.737         .8         8.918           4         8.222         14         8.392         24         8.565         34         8.745         .2         8.926           .4         8.229         .4         8.399         .4         8.572         .4         8.748         .4         8.929           .6         8.232         .6         8.402         .6         8.575         .8         8.755         .8         8.936           .8         8.236         .8         8.406         .8         8.579         .8         8.753         .8         8.936           .2         8.242         .2         8.412         .2         8.586         .2         8.7				8 275				0.720		
.4         8.212         .4         8.382         .4         8.554         .4         8.730         .4         8.911           .6         8.215         .6         8.385         .6         8.558         .6         8.734         .6         8.914           .8         8.219         .8         8.389         .8         8.561         .8         8.737         .8         8.918           4         8.222         14         8.392         24         8.565         34         8.741         44         8.922           .4         8.222         .2         8.395         .2         8.568         .2         8.745         .2         8.926           .4         8.229         .4         8.309         .4         8.572         .4         8.748         .4         8.929           .6         8.232         .6         8.402         .6         8.579         .8         8.755         .8         8.933           .8         8.236         .8         8.409         .2         8.586         .2         8.763         .4         8.942           .2         8.242         .2         8.412         .2         8.586         .2         8.7		8 200							1	8 903
.6         8.215         .6         8.385         .6         8.558         .6         8.734         .6         8.914           .8         8.219         .8         8.389         .8         8.561         .8         8.737         .8         8.918           4.         8.222         14.         8.392         24.         8.565         34.         8.741         44.         8.922           .2         8.225         .2         8.395         .2         8.568         .2         8.745         .2         8.926           .4         8.229         .4         8.399         .4         8.572         .4         8.748         .4         8.929           .6         8.232         .6         8.402         .6         8.575         .6         8.752         .6         8.933           .8         8.236         .8         8.406         .8         8.579         .8         8.755         .6         8.933           .8         8.232         .2         8.412         .2         8.586         .2         8.763         .2         8.944           .4         8.242         .2         8.412         .2         8.586         .2 <t< td=""><td></td><td>0.200</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>		0.200								
.8         8.219         .8         8.389         .8         8.561         .8         8.737         .8         8.918           4.         8.222         .2         8.395         .2         8.565         .34.         8.741         44.         8.922           .2         8.225         .2         8.395         .2         8.565         .2         8.745         .2         8.926           .4         8.229         .4         8.399         .4         8.572         .6         8.732         .6         8.936           .8         8.236         .8         8.406         .8         8.579         .8         8.755         .6         8.933           .8         8.236         .8         8.406         .8         8.579         .8         8.755         .6         8.933           .8         8.232         .2         8.412         .2         8.582         .2         8.763         .4         8.940           .2         8.242         .2         8.412         .2         8.582         .2         8.763         .4         8.942           .6         8.249         .6         8.419         .6         8.593         .6 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>										
4.         8.222         14.         8.392         24.         8.565         34.         8.741         44.         8.922           .2         8.225         .2         8.395         .2         8.568         .2         8.745         .2         8.926           .4         8.229         .4         8.399         .4         8.572         .4         8.748         .4         8.929           .6         8.232         .6         8.402         .6         8.575         .6         8.752         .6         8.933           5.         8.239         15.         8.409         25.         8.582         35.         8.759         45.         8.940           .2         8.242         .2         8.412         .2         8.586         .2         8.763         .2         8.944           .4         8.245         .4         8.416         .4         8.589         .4         8.766         .4         8.947           .6         8.249         .6         8.419         .6         8.593         .6         8.770         .6         8.951           .8         8.255         16.         8.423         .8         8.596         .8	1.6								.6	
.2         8.225         .2         8.395         .2         8.568         .2         8.745         .2         8.926           .4         8.229         .4         8.399         .4         8.572         .4         8.748         .4         8.929           .6         8.232         .6         8.402         .6         8.575         .6         8.752         .6         8.933           .8         8.236         .8         8.406         .8         8.579         .8         8.755         .8         8.936           5.         8.239         15.         8.409         25.         8.582         35.         8.759         45.         8.940           .2         8.242         .2         8.412         .2         8.586         .2         8.763         .2         8.944           .4         8.245         .4         8.416         .4         8.589         .4         8.766         .4         8.947           .6         8.249         .6         8.419         .6         8.593         .6         8.770         .6         8.951           .8         8.252         .8         8.423         .8         8.596         .8 <t< td=""><td></td><td>8.219</td><td></td><td>8.389</td><td></td><td>8.561</td><td></td><td>8.737</td><td>.8</td><td>8.918</td></t<>		8.219		8.389		8.561		8.737	.8	8.918
.2         8.225         .2         8.395         .2         8.568         .2         8.745         .2         8.926           .4         8.229         .4         8.309         .4         8.572         .4         8.748         .4         8.929           .6         8.232         .6         8.402         .6         8.575         .6         8.752         .6         8.933           5         8.236         15         8.406         .8         8.579         .8         8.755         .8         8.936           5         8.239         15         8.409         25         8.582         35         8.759         45         8.940           .2         8.242         .2         8.412         .2         8.586         .2         8.763         .2         8.944           .4         8.245         .4         8.416         .4         8.589         .4         8.766         .4         8.947           .6         8.249         .6         8.419         .6         8.593         .6         8.770         .6         8.951           .8         8.252         .8         8.423         .8         8.596         .8         8.77		8.222		8.392		8.565	34.	8.741	44.	8.922
.4         8.229         .4         8.309         .4         8.572         .4         8.748         .4         8.929           .6         8.232         .6         8.402         .6         8.575         .6         8.752         .6         8.933           .8         8.236         .8         8.406         .8         8.575         .8         8.755         .8         8.836           5.         8.239         15.         8.409         25.         8.582         35.         8.759         45.         8.940           .2         8.245         .4         8.416         .4         8.589         .4         8.766         .4         8.947           .6         8.249         .6         8.419         .6         8.593         .6         8.770         .6         8.951           .8         8.255         16.         8.426         26.         8.600         36.         8.777         46.         8.958           .2         8.258         .2         8.429         .2         8.603         .2         8.781         .2         8.962           .4         8.265         .6         8.436         .6         8.610         .6		8.225	.2		.2	8.568	.2	8.745	.2	8.926
.6         8.232         .6         8.402         .6         8.575         .6         8.752         .6         8.933           .8         8.236         .8         8.406         .8         8.579         .8         8.755         .8         8.936           5.         8.239         15.         8.409         25.         8.586         .2         8.763         .2         8.940           .2         8.242         .2         8.412         .2         8.586         .2         8.763         .2         8.944           .4         8.245         .4         8.416         .4         8.589         .4         8.766         .4         8.947           .6         8.249         .6         8.593         .6         8.770         .6         8.951           .8         8.252         .8         8.423         .8         8.596         .8         8.777         .6         8.951           .8         8.255         16.         8.426         26.         8.600         36.         8.777         46.         8.958           .2         8.258         .2         8.429         .2         8.603         .2         8.781         .2			.4		.4	8.572	.4	8.748	.4	
.8         8.236         .8         8.406         .8         8.579         .8         8.755         .8         8.936           5.         8.239         15.         8.409         25.         8.582         35.         8.759         45.         8.940           .2         8.242         .2         8.412         .2         8.586         .2         8.763         .2         8.944           .4         8.245         .4         8.416         .4         8.589         .4         8.766         .4         8.947           .6         8.249         .6         8.419         .6         8.593         .6         8.770         .6         8.951           .8         8.252         .8         8.423         .8         8.596         .8         8.773         .8         8.954           6.         8.255         16.         8.426         26.         8.600         36.         8.777         46.         8.958           .2         8.258         .2         8.429         .2         8.603         .2         8.781         .2         8.962           .4         8.262         .4         8.433         .4         8.607         .4			.6	8.402	.6	8.575	.6	8.752		
5.         8.239         15.         8.409         25.         8.582         35.         8.759         45.         8.940           .2         8.242         .2         8.412         .2         8.586         .2         8.763         .2         8.944           .4         8.245         .4         8.416         .4         8.589         .4         8.766         .4         8.947           .6         8.249         .6         8.419         .6         8.593         .6         8.770         .6         8.951           .8         8.252         .8         8.423         .8         8.596         .8         8.773         .8         8.954           6.         8.255         16.         8.426         26.         8.600         36.         8.777         46.         8.958           .2         8.258         .2         8.429         .2         8.603         .2         8.781         .2         8.962           .4         8.262         .4         8.433         .4         8.607         .4         8.784         .4         8.965           .8         8.269         .8         8.440         .8         8.614         .8	.8	8.236	.8	8.406	.8	8.579		8.755		8.936
.2         8.242         .2         8.412         .2         8.586         .2         8.763         .2         8.944           .4         8.245         .4         8.416         .4         8.589         .4         8.766         .4         8.947           .6         8.249         .6         8.419         .6         8.593         .6         8.770         .6         8.951           .8         8.252         .8         8.423         .8         8.596         .8         8.773         .8         8.954           6.         8.255         16.         8.426         26.         8.600         36.         8.777         46.         8.958           .2         8.258         .2         8.429         .2         8.603         .2         8.781         .2         8.962           .4         8.262         .4         8.433         .4         8.607         .4         8.784         .4         8.965           .6         8.265         .6         8.436         .6         8.610         .6         8.788         .6         8.969           .8         8.265         .8         8.440         .8         8.617         37.         <								8.759		
.4         8.245         .4         8.416         .4         8.589         .4         8.766         .4         8.947           .6         8.249         .6         8.419         .6         8.593         .6         8.770         .6         8.951           .8         8.252         .8         8.423         .8         8.596         .8         8.773         .8         8.954           6.         8.255         16.         8.426         26.         8.600         36.         8.777         46.         8.958           .2         8.258         .2         8.429         .2         8.603         .2         8.781         .2         8.962           .4         8.262         .4         8.433         .4         8.607         .4         8.784         .4         8.965           .6         8.265         .6         8.436         .6         8.610         .6         8.788         .6         8.969           .8         8.269         .8         8.440         .8         8.614         .8         8.791         .8         8.972           7.         8.272         17.         8.443         27.         8.617         37.				8.412				8 763		8 9.14
.6         8.249         .6         8.419         .6         8.593         .6         8.770         .6         8.951           .8         8.252         .8         8.423         .8         8.596         .8         8.773         .8         8.954           6.         8.255         16.         8.426         26.         8.600         36.         8.777         46.         8.958           .2         8.258         .2         8.429         .2         8.603         .2         8.781         .2         8.962           .4         8.262         .4         8.433         .4         8.607         .4         8.784         .4         8.965           .6         8.265         .6         8.436         .6         8.610         .6         8.788         .6         8.962           .8         8.269         .8         8.440         .8         8.614         .8         8.791         .8         8.972           7.         8.272         17.         8.443         27.         8.617         37.         8.795         47.         8.976           .2         8.275         .2         8.446         .2         8.620         .2								8.766		
.8       8.252       .8       8.423       .8       8.596       .8       8.773       .8       8.954         6.       8.255       16.       8.426       26.       8.600       36.       8.777       46.       8.958         .2       8.258       .2       8.429       .2       8.603       .2       8.781       .2       8.962         .4       8.262       .4       8.433       .4       8.607       .4       8.784       .4       8.965         .6       8.265       .6       8.436       .6       8.610       .6       8.788       .6       8.969         .8       8.269       .8       8.440       .8       8.614       .8       8.791       .8       8.969         .8       8.269       .8       8.440       .8       8.617       37.       8.795       47.       8.976         .2       8.275       .2       8.446       .2       8.620       .2       8.799       .2       8.980         .4       8.279       .4       8.453       .6       8.628       .6       8.806       .6       8.987         .8       8.286       .8       .457       .8 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>9.770</td> <td></td> <td></td>								9.770		
6.         8.255         16.         8.426         26.         8.600         36.         8.777         46.         8.958           .2         8.258         .2         8.429         .2         8.603         .2         8.781         .2         8.962           .4         8.262         .4         8.433         .4         8.607         .4         8.784         .4         8.965           .6         8.265         .6         8.436         .6         8.610         .6         8.788         .6         8.969           .8         8.269         .8         8.440         .8         8.614         .8         8.791         .8         8.972           7.         8.272         17.         8.443         27.         8.617         37.         8.795         47.         8.976           .2         8.275         .2         8.446         .2         8.620         .2         8.799         .2         8.980           .4         8.282         .6         8.453         .6         8.628         .6         8.806         .6         8.987           .8         8.286         .8         8.457         .8         8.631         .8										0.001
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	6									0.994
.4         8.262         .4         8.433         .4         8.607         .4         8.784         .4         8.965           .6         8.265         .6         8.436         .6         8.610         .6         8.788         .6         8.969           .8         8.269         .8         8.440         .8         8.614         .8         8.791         .8         8.972           7.         8.272         17.         8.443         27.         8.617         37.         8.795         47.         8.976           .2         8.275         .2         8.446         .2         8.620         .2         8.799         .2         8.980           .4         8.279         .4         8.450         .4         8.624         .4         8.802         .4         8.984           .6         8.282         .6         8.453         .6         8.628         .6         8.806         .6         8.987           .8         8.286         .8         8.457         .8         8.631         .8         8.809         .8         8.991           8         8.292         .2         8.464         .2         8.639         .2 <td< td=""><td>١ ٠٠,</td><td>0,200</td><td></td><td>0.420</td><td></td><td></td><td></td><td>0.777</td><td></td><td>8.958</td></td<>	١ ٠٠,	0,200		0.420				0.777		8.958
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$		0.200						0.781		8.962
.8         8.269         .8         8.440         .8         8.614         .8         8.791         .8         8.972           7.         8.272         17.         8.443         27.         8.617         37.         8.795         47.         8.976           .2         8.275         .2         8.446         .2         8.620         .2         8.799         .2         8.980           .4         8.279         .4         8.450         .4         8.624         .4         8.802         .4         8.984           .6         8.282         .6         8.453         .6         8.628         .6         8.806         .6         8.987           .8         8.286         .8         8.457         .8         8.631         .8         8.809         .8         8.991           8         8.289         18.         8.460         28.         8.635         38.         8.813         48.         8.995           .2         8.292         .2         8.464         .2         8.639         .2         8.817         .2         8.999           .4         8.296         .4         8.467         .4         8.642         .4		0.202								8.965
7.         8.272         17.         8.443         27.         8.617         37.         8.795         47.         8.976           .2         8.275         .2         8.446         .2         8.620         .2         8.799         .2         8.980           .4         8.279         .4         8.450         .4         8.624         .4         8.802         .4         8.984           .6         8.282         .6         8.453         .6         8.628         .6         8.806         .6         8.987           .8         8.286         .8         8.457         .8         8.631         .8         8.809         .8         8.991           8.         8.289         18.         8.460         28.         8.635         38.         8.813         48.         8.995           .2         8.292         .2         8.464         .2         8.639         .2         8.817         .2         8.999           .4         8.296         .4         8.467         .4         8.642         .4         8.820         .4         9.002           .6         8.299         .6         8.471         .6         8.646         .6						8.610				8.969
.2       8.275       .2       8.446       .2       8.620       .2       8.799       .2       8.980         .4       8.279       .4       8.450       .4       8.624       .4       8.802       .4       8.984         .6       8.282       .6       8.453       .6       8.628       .6       8.806       .6       8.987         .8       8.286       .8       8.457       .8       8.631       .8       8.809       .8       8.991         8       8.289       18       8.460       28       8.635       38       8.813       48       8.995         .2       8.292       .2       8.464       .2       8.639       .2       8.817       .2       8.999         .4       8.296       .4       8.467       .4       8.642       .4       8.820       .4       9.002         .6       8.299       .6       8.471       .6       8.646       .6       8.824       .6       9.006         .8       8.303       .8       8.474       .8       8.649       .8       8.831       49       9.013         .2       8.309       .2       8.481       .2			.8		.8				8	8.972
.4         8.279         .4         8.450         .4         8.624         .4         8.802         .4         8.984           .6         8.282         .6         8.453         .6         8.628         .6         8.806         .6         8.987           .8         8.286         .8         8.457         .8         8.631         .8         8.809         .8         8.991           8         8.289         18         8.460         28         8.635         38         8.813         48         8.995           .2         8.292         .2         8.464         .2         8.639         .2         8.817         .2         8.999           .4         8.296         .4         8.467         .4         8.642         .4         8.820         .4         9.002           .6         8.299         .6         8.471         .6         8.646         .6         8.824         .6         9.006           .8         8.303         .8         8.474         .8         8.649         .8         8.827         .8         9.009           9         8.306         19         8.478         29         8.653         39         8.83	7.	8.272		8.443			37.			
.6         8.282         .6         8.453         .6         8.628         .6         8.806         .6         8.987           .8         8.286         .8         8.457         .8         8.631         .8         8.809         .8         8.991           8.         8.289         18.         8.460         28.         8.635         38.         8.813         48.         8.995           .2         8.292         .2         8.464         .2         8.639         .2         8.817         .2         8.999           .4         8.296         .4         8.467         .4         8.642         .4         8.820         .4         9.002           .6         8.299         .6         8.471         .6         8.646         .6         8.824         .6         9.006           .8         8.303         .8         8.474         .8         8.649         .8         8.827         .8         9.009           9.         8.306         19.         8.478         29.         8.653         39.         8.831         49.         9.013           .2         8.309         .2         8.481         .2         8.656         .2	.2	8.275	.2	8.446	.2	8.620	.2	8.799	.2	8.980
.6         8.282         .6         8.453         .6         8.628         .6         8.806         .6         8.987           .8         8.286         .8         8.457         .8         8.631         .8         8.809         .8         8.991           8.         8.289         18.         8.460         28.         8.635         38.         8.813         48.         8.995           .2         8.292         .2         8.464         .2         8.639         .2         8.817         .2         8.999           .4         8.296         .4         8.467         .4         8.642         .4         8.820         .4         9.002           .6         8.299         .6         8.471         .6         8.646         .6         8.824         .6         9.006           .8         8.303         .8         8.474         .8         8.649         .8         8.827         .8         9.009           9.         8.306         19.         8.478         29.         8.653         39.         8.831         49.         9.013           .2         8.309         .2         8.481         .2         8.656         .2					.4				.4	8.984
.8       8.286       .8       8.457       .8       8.631       .8       8.809       .8       8.991         8.       8.289       18.       8.460       28.       8.635       38.       8.813       48.       8.995         .2       8.292       .2       8.464       .2       8.639       .2       8.817       .2       8.999         .4       8.296       .4       8.467       .4       8.642       .4       8.820       .4       9.002         .6       8.299       .6       8.471       .6       8.646       .6       8.824       .6       9.006         .8       8.303       .8       8.474       .8       8.649       .8       8.827       .8       9.009         9.       8.306       19.       8.478       29.       8.653       39.       8.831       49.       9.013         .2       8.309       .2       8.481       .2       8.656       .2       8.835       .2       9.017         .4       8.313       .4       8.485       .4       8.660       .4       8.838       .4       9.021         .6       8.316       .6       8.663       .6<	.6				-6	8.628			.6	
8.     8.289     18.     8.460     28.     8.635     38.     8.813     48.     8.995       .2     8.292     .2     8.464     .2     8.639     .2     8.817     .2     8.999       .4     8.296     .4     8.467     .4     8.642     .4     8.820     .4     9.002       .6     8.299     .6     8.471     .6     8.646     .6     8.824     .6     9.006       .8     8.303     .8     8.474     .8     8.649     .8     8.827     .8     9.009       9.     8.306     19.     8.478     29.     8.653     39.     8.831     49.     9.013       .2     8.309     .2     8.481     .2     8.656     .2     8.835     .2     9.017       .4     8.313     .4     8.485     .4     8.660     .4     8.838     .4     9.021       .6     8.316     .6     8.488     .6     8.663     .6     8.842     .6     9.024       .8     8.320     .8     8.492     .8     8.667     .8     8.845     .8     9.028	.8	8.286			.8			8.809	.8	
.2     8.292     .2     8.464     .2     8.639     .2     8.817     .2     8.999       .4     8.296     .4     8.467     .4     8.642     .4     8.820     .4     9.002       .6     8.299     .6     8.471     .6     8.646     .6     8.824     .6     9.006       .8     8.303     .8     8.474     .8     8.649     .8     8.827     .8     9.009       9.     8.306     19.     8.478     29.     8.653     39.     8.831     49.     9.013       .2     8.309     .2     8.481     .2     8.656     .2     8.835     .2     9.017       .4     8.313     .4     8.485     .4     8.660     .4     8.838     .4     9.021       .6     8.316     .6     8.488     .6     8.663     .6     8.842     .6     9.024       .8     8.320     .8     8.492     .8     8.667     .8     8.845     .8     9.028		8.289			28.					
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$										
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$										
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	1									
9.     8.306     19.     8.478     29.     8.653     39.     8.831     49.     9.013       .2     8.309     .2     8.481     .2     8.656     .2     8.835     .2     9.017       .4     8.313     .4     8.485     .4     8.660     .4     8.838     .4     9.021       .6     8.316     .6     8.488     .6     8.663     .6     8.842     .6     9.024       .8     8.320     .8     8.492     .8     8.667     .8     8.845     .8     9.028										
.2       8.309       .2       8.481       .2       8.656       .2       8.835       .2       9.017         .4       8.313       .4       8.485       .4       8.660       .4       8.838       .4       9.021         .6       8.316       .6       8.488       .6       8.663       .6       8.842       .6       9.024         .8       8.320       .8       8.492       .8       8.667       .8       8.845       .8       9.028							39			
.4     8.313     .4     8.485     .4     8.660     .4     8.838     .4     9.021       .6     8.316     .6     8.488     .6     8.663     .6     8.842     .6     9.024       .8     8.320     .8     8.492     .8     8.667     .8     8.845     .8     9.028										
$egin{array}{c c c c c c c c c c c c c c c c c c c $										
.8   8.320     .8   8.492     .8   8.667     .8   8.845     .8   9.028										
10.   6.523   20.   6.495   30.   8.670   40.   8.849   50.   9.032	1									
	10.	0.323	20.	0.495	3U.	0.070	40.	0.049	50.	9.032
				- 11		1)				

## SPECIFIC GRAVITY.—TABLE I.

Pri		1		1		1 1	1	1 .:	1
& Dive. Stem.	000	Divs.	Specific Gravity.	Divs.	Speeifie Gravity.	& Diva. Stem.	0 1:	Wts. & Divs. on Stem.	Specific Gravity.
& Div	Specific Gravity.	& Div Stem.	9.5	& Div	99.5	& Div Stem.	Specific Gravity.	& Div Stem	1 19 19
37.70	2 5	21 75	. Se.	27 75	av av	23.50	8 2	23 25	3.4
	9.5		d H	2.0	身是		9.5	300	0.1
ts.	020	ts.	\[ \alpha \alpha \]	Wts.	020	Wts.	\ \text{\tint{\text{\tint{\text{\tin}\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\\\ \tint{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\ti}\}\\ \text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\texi}\}\\ \ti}\\\ \tinttitex{\text{\text{\text{\text{\text{\text{\text{\texi}}\\ \tinttitex{\text{\texi}\text{\text{\texi}\tint{\text{\text{\texi}\tint{\text{\texi}\tint{\text{\texi}\text{\text{\tex{	ts.	000
Wts.		Wts.		=				1	}
1									
50.	9.032	60.	9.218	70.	9.409	80.	9.604	90.	9.800
.2	9.036	.2	9.222	.2	9.413	.2	9.608	.2	9.804
.4	9.039	.4	9.226	4	9.417	.4	9.612		9.808
				1	9.420		9.615	.4	9.812
.6	9.043	.6	9.229	6.		.6		.6	
8	9.046	.8	9.233	.8	9,424	.8	9.619	.8	9.816
51.	9.050	61.	9.237	71.	9.428	81.	9.623	91.	9.820
.2	9.054	.2	9.241	.2	9.432	.2	9.627	.2	9.824
.4	9.058	.4	9.245	.4	9.436	.4	9.631	.4	9.828
.6	9.061	6.	9.248	6.	9.440	.6	9.635	6.	9.832
.8	9.065	.8	9.252		9.444	.8	9.639	1	9.836
				.8				.8	
52.	9.069	62.	9.256	72.	9,448	82.	9.643	92.	9.840
.2	9.073	.2	9.260	.2	9.452	.2	9.647	.2	9.844
.4	9.076	.4	9.264	.4	9.456	.4	9.651	.4	9.848
.6	9.080	.6	9.267	6.	9.459	.6	9.655	.6	9.852
.8	9.083	.8	9.271	.8	9.463	.8	9.659	.8	9.856
53.	9.087	63.	9.275	73.	9.467	83.	9.663	93.	9.860
.2	9.091	.2	9.279		9.471	.2	9.667		9.864
				.2				.2	
.4	9.095	.4	9.283	.4	9.475	.4	9.671	.4	9.868
.6	9.098	.6	9.286	.6	9.479	.6	9.674	.6	9.872
.8	9.102	.8	9.290	.8	9.483	.8	9.678	.8	9.876
54.	9.106	64.	9.294	74.	9.487	84.	9.682	94.	9.880
.2	9.110	.2	9.298	.2	9.491	.2	9.686	.2	9.884
.4	9.114	.4	9.302	4	9,495	.4	9.690	4	9.888
.6	9.117	6.6	9.305		9.498		9.694	.4	
1 .8		1		6.	9.502	.6		.6	9.892
	9.121	.8	9.309	.8	0.502	.8	9.698	.8	9.896
55.	9.125	65.	9.313	75.	9.506	85.	9.702	95.	9.900
.2	9,129	.2	9.317	.2	9.510	.2	9.706	.2	9.904
.4	9.132	.4	9.321	.4	9.514	.4	9.710	.4	9.908
.6	9.136	.6	9.324	.6	9.517	.6	9.714	.6	9.913
.8	9.139	.8	9.328	.8	9.521	.8	9.718	.8	9.917
56.	9.143	66.	9.332	76.	9.525	86.	9.722		9.921
.2	9.147	.2	9.336		9.529		9.726	96.	
.4	9.151	1		.2	9.533	.2	0.720	.2	9.925
		.4	9.340	.4		.4	9.730	.4	9.929
0.6	9.154	.6	9.344	.6	9.537	.6	9.733	.6	9.934
.8	9.158	.8	9.348	.8	9.541	.8	9.737	.8	9.938
57.	9.162	67.	9.352	77.	9.545	87.	9.741	97.	9.942
.2	9.166	.2	9.356	.2	9.549	2	9.745	.2	9.946
.4	9.170	.4	9.360	.4	9.553	.4	9.749		9.950
.6	9.173	.6	9.363	6.6	9.557		9.753	.4	
.8	9,177	s.s	9.367	1	9.561	6.		6.	9.955
58.	9.181			.8		.8	9.757	8.	9.959
1 .2		68.	9.371	78.	9.565	88.	9.761	98.	9.963
	9.185	.2	9.375	.2	9.569	.2	9.765	.2	9.967
.4	9.189	.4	9.379	.4	9.573	.4	9.769	.4	9.972
.6	9.192	.6	9.382	.6	9.576	.6	9.773	.6	9.976
.8	9.196	.8	9.386	.8	9.580	.8	9.777	.8	9.981
59.	9.200	69.	9.390	79.	9.584	89.	9.781		
.2	9.204	.2	9.394	.2	9.588			99.	9.985
.4	9.207	.4	$\begin{vmatrix} 9.398 \\ 9.398 \end{vmatrix}$		9.592	.2	9.785	.2	9.989
.6	9.211	1		.4		.4	9.789	.4	9.994
.8	1 3	.6	9.401	.6	9.596	.6	[9.792]	.6	9.998
	9.214	.8	9.405	.8	9.600	.8	9.796	.8	10.003
60.	9.218	70.	9.409	80,	9.604	90.	9.800	100.	10.007
		1							
			-						

TABLE 2.

Degrees of Specific Gravity.	Oz. Drachms.	Degrees of Specific Gravity.	Oz. Drachms.	Degrees of Specific Gravity.	Oz. Drachms.	Degrees of Specific Gravity.	Oz. Drachms.
1 2 3 4 4 5 6 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	0 2½ 0 5 0 7½ 0 10 0 12½ 1 1½ 1 1 12 1 1½ 1 1½ 2 1 1½ 2 1½ 2 1½ 2 1½ 2 1½ 2 1½ 2 1½ 2 1½ 3 0½ 3 3 5½ 3 8 3 10½ 3 13 ¼ 0	26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50	4 2½ 4 5 4 7½ 4 10 4 12½ 4 15 5 1½ 5 7 5 9½ 5 12 5 14½ 6 1 6 3½ 6 11½ 6 14 7 0½ 7 3 7 5½ 7 18 7 10½ 7 13 8 0	51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75	8 2½ 8 5 8 7½ 8 10 8 12½ 8 15 9 1½ 9 1½ 9 1½ 9 12 9 14½ 10 1 10 8½ 10 11½ 11 0½ 11 3 11 5½ 11 18 11 10½ 11 13 12 0	76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	12 2½ 12 5 12 7½ 12 10 12 12½ 12 15 13 1½ 13 4½ 13 9½ 13 12 13 14½ 14 1 14 3½ 14 1 14 3½ 14 16 14 8½ 14 11½ 15 0½ 15 3 15 5½ 15 18 15 10½ 15 13 1 1b.













